U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-289 229

Chesapeake Bay Baseline Data Acquisition, Appendix VII Modification of Fisheries

Chesapeake Research Consortium, Inc, Annapolis, MD

Prepared for

Environmental Protection Agency, Philadelphia, PA. Chesapeake Bay Program

Sep 78

EPA 903/9-78-027

PB 289229

CRC

APPENDIX VII

MODIFICATION OF FISHERIES

A Report
under EPA Contract No. 68-01-3994

September 1978

Chesapeake Research Consortium, Incorporated

prepared by

University of Maryland,
Center for Environmental and Estuarine Studies

and

Virginia Institute of Marine Science

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

Chesapeake Research Consortium, Incorporated
1419 Forest Drive, Suite 207
Annapolis, Maryland 21403
(301) 263-6884

The Johns Hopkins University
University of Maryland
Smithsonian Institution
Virginia Institute of Marine Science

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO.	2.	3. RECIPIENT'S ACCESSION NO.
EPA 903/9-78-027		PB289229

4. TITLE AND SUBTITLE	5. REPORT DATE
"Modification of Fisheries" (Chesapeake Bay Baseline Data Acquisition, Appendix VII)	September, 1978
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S)	8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT NO.
Chesapeake Research Consortium, Inc. 1419 Forest Drive, Suite 207 Annapolis, MD 21403	11. CONTRACT/GRANT NO. 68-01-3994
12. SPONSORING AGENCY NAME AND ADDRESS	13. TYPE OF REPORT AND PERIOD COVERED
Chesapeake Bay Program, EPA, Region III 6th & Walnut Streets Philadelphia, PA 19106	Final, 1973 - Present 14. SPONSORING AGENCY CODE

15. SUPPLEMENTARY NOTES

16. ABSTRACT

This report identifies researchers conducting current research programs relating to modification of fisheries in the Chesapeake Bay estuarine system. The data files included in this report are compiled from the Environmental Data Base Directory and reflects data applicable to modification of fisheries from 1973 to the present.

The report also identifies the major past, present, or planned monitoring efforts.

The data will aid in the design of future research and monitoring efforts for the Chesapeake Bay.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
FISHING MONITORS RESEARCH DIRECTORIES	Chesapeake Bay Fisheries	

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)*	21. NO. OF PAGES
RELEASE TO PUBLIC	UNCLASSIFIED	289
	20. SECURITY CLASS *(This page)*	22. PRICE
	UNCLASSIFIED	A13-A01

EPA Form 2220-1 (9-73)

CHESAPEAKE BAY BASELINE DATA ACQUISITION

MODIFICATION OF FISHERIES

Contract No. 68-01-3994

between

U. S. Environmental Protection Agency

and

Chesapeake Research Consortium, Incorporated

September 1978

Chesapeake Research Consortium, Incorporated
1419 Forest Drive, Suite 207
Annapolis, Maryland 21403
(301) 263-0884

The Johns Hopkins University
University of Maryland
Smithsonian Institution
Virginia Institute of Marine Science

CONTENTS

Introduction 4

Annex I. Directory of Researchers 9p

Annex II. Data Files 241p

Part A. Data Files 225p

Introduction 3

EDBD Files 6

Part B. Data File Index - Listed by Word 226

Annex III. Monitoring Programs 33p

INTRODUCTION

This report forms one of several appendices which are the body of the Chesapeake Bay Baseline Data Acquisition Final Report. These appendices are as follows:

Appendix I. A Chesapeake Bay Directory

Appendix II. Submerged Aquatic Vegetation

Appendix III. Toxics in the Cheasapeake Bay

Appendix IV. Eutrophication

Appendix V. Shellfish Bed Closures

Appendix VI. Dredging and Spoil Disposal

Appendix VII. Modification of Fisheries

Appendix VIII. Hydrologic Modifications

Appendix IX. Wetlands Alteration

Appendix X. Effects of Boating and Shipping on Water Quality

Appendix XI. Shoreline Erosion

This report comprises three sections as follows:

Annex I. contains scientists presently engaged in research in this field.

Annex II. is an indexed listing of data files pertinent to the Chesapeake Bay and adjacent coastal states.

Annex III. summarizes the monitoring efforts as derived from Annex II.

The source material for appendices IV-XI includes minimal material based on interviews, field work and verification. Efforts were directed to determining researchers and their activities from "A Chesapeake Bay Directory" only. For each of the eight subject areas, a key word list was also formulated and the respective pertinent data files compiled from the Environmental Data Base Directory. These files served as the primary source for the monitoring programs section.

ANNEX I

Directory of Researchers

Modification of Fisheries

This "Directory of Researchers" contains a listing of scientists who are presently working in this field, their affiliations and their specific research activities. The information was compiled from "A Chesapeake Bay Directory" by A. McErlean et al. which was published as a partial fulfillment of this contract.

For researchers and research activities in other national and international areas the reader is referred to the "International Directory of Marine Scientists," issued by the Food and Agriculture Organization of the United Nations in 1977. Copies of this directory are available at the following locations:

EPA Region III
Chesapeake Bay Program Office
Curtis Building
6th and Walnut Streets
Philadelphia, PA 19106

Chesapeake Research Consortium
1419 Forest Drive
Suite 207
Annapolis, MD 21403

University of Maryland, Center for Environmental and
Estuarine Studies
ATTN: Karen Rutledge
P. O. Box 775
Horn Point Rd.
Cambridge, MD 21613

Virginia Institute of Marine Science
ATTN: Thomas Lochen
Gloucester Point, VA 23062

ANNEX I

Directory of Researchers

Modification of Fisheries

Alperin, I. M. Atlantic States Marine Fisheries Commission	Fisheries biology.
Andrews, J. D. Virginia Institute of Marine Science	Malacology, oyster genetics.
Austin, H. M. Virginia Institute of Marine Science	Fisheries oceanography, year class strength prediction.
Bass, M. L. Mary Washington College	Fisheries, fish toxicology.
Batts, B. S. Longwood College	Fisheries, marine ecology.
Bender, M. E. Virginia Institute of Marine Science	Water quality criteria for aquatic life, eutrophication - Chesapeake Bay.
Boone, J. G. Fisheries Administration, Maryland Department of Natural Resources	Fisheries biology.
Brands, R. Food and Drug Administration, Baltimore, Maryland	Shellfish sanitation.
Burnett, J. W. University of Maryland	Causes of fish kills.
Buroker, N. E. Marine Products Laboratory, University of Maryland	Population genetics of oysters - Chesapeake Bay.

Burton, D. T. Benedict Laboratory, Academy of Natural Sciences of Philadelphia	Chlorine and bromine effects on aquatic fauna.
Cain, J. L. University of Maryland	Management and planning of seafood and other water-related industries.
Calton, G. J. University of Maryland	Causes of fish kills.
Casey, J. F. Fisheries Administration, Maryland Department of Natural Resources	Fisheries biology, effects of dredging.
Chen, P. K. Georgetown University	Fish diseases.
Cross, G. H. Virginia Polytechnic Institute and State University	Fisheries and wildlife resources.
Daiber, F. C. University of Delaware	Fish movements in the Chesapeake and Delaware Canal.
Dauer, D. M. Old Dominion University	Ecology of marine benthic invertebrates.
Dias, R. K. Virginia Institute of Marine Science	Ichthyology.
Dunnington, E. A. Chesapeake Biological Laboratory, University of Maryland	Shellfish biology - Chesapeake Bay.
DuPaul, W. Virginia Institute of Marine Science.	Commercial fishing.
Eisenberg, M. Maryland Department of Health and Mental Hygiene	Shellfish sanitation - Chesapeake Bay.

Gemignani, H. G. Anne Arundel Community College	Estuarine biota.
Haley, A. J. University of Maryland	Parasites and diseases of fauna.
Haven, D. S. Virginia Institute of Marine Science	Physiology of mollusks, natural sediments of oyster bars.
Hetrick, F. M. University of Maryland	Human enteroviruses in Bay and Bay biota.
Homer, M. L. Chesapeake Biological Laboratory, University of Maryland	Systems analysis, finfish biology and ecology - Chesapeake Bay.
Howard, L. V. University of Maryland	Shellfish sanitation.
Ingling, A. L. University of Maryland	Microbiology and pathobiology of soft-shelled clams.
Johnston, M. Horn Point Environmental Laboratories, University of Maryland	Recolonization patterns in areas altered by dredging and spoil disposal - Chesapeake Bay.
Jones, R. T. University of Maryland	Fish pathology, fish toxicology.
Kaiser, H. E. University of Maryland	Invertebrate toxicology.
Kaumeyer, K. R. Chesapeake Biological Laboratory, University of Maryland	Benthic sampling, analysis of benthic community structure - Chesapeake Bay.
Kennedy, V. S. Horn Point Environmental Laboratories, University of Maryland	Benthic ecology, oyster reproduction and settlement - Chesapeake Bay.
Koo, T. S. Y. Chesapeake Biological Laboratory, University of Maryland	Fish, fish eggs and larvae - Chesapeake Bay.

Krantz, G. E. Horn Point Environmental Laboratories, University of Maryland	Shellfish biology, diseases of finfish and estuarine organisms Chesapeake Bay.
Krantz, L. Horn Point Environmental Laboratories, University of Maryland	Shellfish histology.
Lessley, B. V. University of Maryland	Buiness management with fishermen.
Loesch, J. G. Virginia Institute of Marine Science	Marine and anadromous fisheries.
Lotrich, V. A. University of Delaware	Ecological aspects of the Chesapeake and Delaware Canal.
Lucy, J. Virginia Institute of Marine Science	Commerial and sport bivalve fisheries.
Lunsford, H. R., Jr. Chesapeake Biological Laboratory, University of Maryland	Patuxent River finfish survey - Chesapeake Bay.
Lynch, M. P. Virginia Institute of Marine Science	Management of marine and estuarine resources, physiology of estuarine organisms.
Martin, F. D. Chesapeake Biological Laboratory, University of Maryland	Ecology of larval and juvenile fish - Chesapeake Bay.
Matta, J. F. Old Dominion University	Ecology and systematics of aquatic invertebrates.
Meritt, D. Horn Point Environmental Laboratories, University of Maryland	Shellfish biology - Chesapeake Bay.
Merriner, J. V. Virginia Institute of Marine Science.	Ecology of estuarine fishes.

Mihursky, J. A. Chesapeake Biological Laboratory, University of Maryland	Pollution ecology, temperature effects on biota, estuarine community dynamics - Chesapeake Bay.
Mollick, R. S. Christopher Newport College	Benthic invertebrate ecology.
Musick, J. A. Virginia Institute of Marine Science	Community ecology of demersal marine fishes.
Otto, R. G. Chesapeake Bay Institute, The Johns Hopkins University	Experimental ecology and environmental physiology of fishes.
Pfitzenmeyer, H. T. Chesapeake Biological Laboratory, University of Maryland	Benthic invertebrate ecology, shellfish biology and management-Chesapeake Bay.
Phelps, H. Federal City College	Heavy metals, chelation and adsorption of cadmium by shellfish-Chesapeake Bay.
Powers, D. The Johns Hopkins University	Biochemical genetics of fish populations.
Provenzano, A. J. Old Dominion University	Larval ecology, reproduction of invertebrates.
Reaka, M. L. University of Maryland	Life histories of crustacea, ecology of mantis shrimp.
Reback, S. University of Maryland	Orientation and migration of marine organisms, ecology and behavior of crabs.
Roberts, M. H. Virginia Institute of Marine Science	Pollution effects on vertebrates and invertebrates in all life stages.
Roosenburg, W. H. Chesapeake Biological Laboratory, University of Maryland	Biology and toxicology of shellfish - Chesapeake Bay.
Rosenkranz, A. M. Chesapeake Biological Laboratory, University of Maryland	Biology and toxicology of shellfish - Chesapeake Bay.

Setzler, E. M. Chesapeake Biological Laboratory, University of Maryland	Ichthyoplankton, population dynamics and ecology, utilization of estuarine nursery areas - Chesapeake Bay.
Southwick, C. The Johns Hopkins University	Fish and water quality in the Baltimore Harbor - Chesapeake Bay.
Sprague, V. Chesapeake Biological Laboratory, University of Maryland	Protozoan diseases and disease agents - Chesapeake Bay.
Strand, I. University of Maryland	Management of fishery resources.
Sulkin, S. D. Horn Point Environmental Laboratories, University of Maryland	Ecology of blue crab - Chesapeake Bay.
Suydam, E. L. Rappahannock Community College	Fish gill parasites.
Trump, B. F. University of Maryland	Fish pathology, fish toxicology.
Tsai, C. College Park Field Station, University of Maryland	Fishery biology, efficts of pollution on fish - Chesapeake Bay.
Van Engel, W. A. Virginia Institute of Marine Science	Biology of crustacea, population dynamics of brackish water and marine crustaceans.
Van Heukelem, W. Horn Point Environmental Laboratories, University of Maryland	Significance of spawning stock to recruitment of blue crabs - Chesapeake Bay.
Wheaton, F. W. University of Maryland	Fisheries and shellfish.
Wiley, C. W. Virginia Department of Health	Shellfish sanitation.

Wiley, M. L. Chesapeake Biological Laboratory, University of Maryland	Fishery biology - Chesapeake Bay.
Wilson, J. S. Chesapeake Biological Laboratory, University of Maryland	Fishery biology - Chesapeake Bay.
Wood, K. Chesapeake Biological Laboratory, University of Maryland	Impacts of pollution and power plants on adult fish - Chesapeake Bay.
Young, R. Virginia Polytechnic Institute and State University	Kepone in benthic fauna.
Zion, H. H. Chesapeake Biological Laboratory, University of Maryland	Ichthyoplankton and finfish biology - Chesapeake Bay.

ANNEX II

Data Files

Modification of Fisheries

ANNEX II

Data Files

Part A

Data Files

Modification of Fisheries

The data files included in this section are arranged by EDBD accession number. This number should be used in inquiries to EDBD or in specific citations of files. However, for the purposes of this report, these files were assigned unique page numbers.

Files of areas adjacent to the Chesapeake Bay such as North Carolina, Delaware, New Jersey and Pennsylvania have been included when encountered.

ENVIRONMENTAL DATA INDEX

THE ENCLOSED LISTING IS A SELECTION OF FILE DESCRIPTIONS FROM THE ENDEX SYSTEM. ITS PURPOSE IS TO GUIDE USERS WITH REQUIREMENTS FOR HISTORICAL ENVIRONMENTAL DATA TO HOLDERS OF THESE DATA.

THIS OUTPUT WAS SELECTED FROM THE ENTIRE FILE BASED ON CERTAIN CRITERIA SPECIFIED BY THE USER. THESE CRITERIA ARE REPEATED BELOW:

EDBD

THE OUTPUT IS IN TWO PARTS. FIRST IS A LISTING OF ALL THE EDBD'S SELECTED, PRINTED IN ID NUMBER ORDER. AT THE BACK OF EACH OUTPUT MAY BE A CROSS-INDEX, LISTING SUCH THINGS AS WHICH FILE DESCRIPTIONS DESCRIBE DATA COLLECTED ON EACH PLATFORM TYPE, OR WHICH FILE DESCRIPTIONS HAVE DATA IN EACH GRID LOCATOR. THIS SECTION WILL VARY DEPENDING ON THE REQUIREMENTS OF THE USER. THE ID NUMBER IS IN THE UPPER LEFT CORNER OF EACH FILE DESCRIPTION. THE FOLLOWING IS AN EXPLANATION OF FIELDS ON EACH PAGE.

FILE NAME -- TOP CENTER OF PAGE. IDENTIFIED BY DATA HOLDER. ALSO, TIME RANGE OF DATA COLLECTION.

PROJECTS -- LIST OF PROJECTS UNDER WHICH DATA CONTAINED IN FILES MAY HAVE BEEN COLLECTED.

GENERAL GEOGRAPHIC AREA -- BEGINS WITH CONTINENT OR OCEAN IN WHICH DATA WERE COLLECTED AND DESCRIBES SMALLER AND SMALLER AREAS TO GIVE USER A GENERAL AREA OF DATA COLLECTION.

ABSTRACT -- CONTAINS GENERAL INFORMATION ABOUT WHY THE DATA WERE COLLECTED AND WHERE, METHODS OF ANALYSIS AND PERTINENT CONCLUSIONS.

DATA AVAILABILITY -- CONTAINS RESTRICTIONS ON DATA USE, IF BLANK IT MEANS THERE ARE NO KNOWN RESTRICTIONS.

PLATFORM TYPES -- LIST OF TYPES OF PLATFORMS (IF ANY) USED TO COLLECT DATA.

ARCHIVE MEDIA -- MEDIA ON WHICH DATA ARE STORED AND A ROUGH ESTIMATE OF THE SIZE OF THE FILE.

FUNDING -- ORGANIZATION FUNDING THE DATA COLLECTION (IF KNOWN).

INVENTORY -- WHEN DETAILED INFORMATION ON STATION LOCATIONS, COUNTS OF OBSERVATIONS/SAMPLES, ETC. ARE AVAILABLE, IT WILL BE DENOTED HERE.

PUBLICATIONS -- PUBLICATIONS RESULTING FROM THIS DATA SET (LIST IS SOMETIMES CONDENSED).

CONTACT -- NAME, ADDRESS AND PHONE NUMBER OF PERSON TO CONTACT TO OBTAIN FURTHER INFORMATION OR ACTUAL COPIES OF DATA.

GRID LOCATOR -- A SERIES OF NUMBERS USED TO MAKE GEOGRAPHIC RETRIEVAL POSSIBLE ON A COMPUTER. LATITUDE AND LONGITUDE ARE COMBINED INTO A SINGLE NUMBER. THE WORLD METEOROLOGICAL ORGANIZATION (WMO) CODE IS USED TO IDENTIFY AREAS WHERE DATA WERE COLLECTED. THIS MAY BE A 4,6,8, OR 10 DIGIT NUMBER DEPENDING ON WHETHER THE DATA HOLDER CHOSE TO IDENTIFY AREAS DOWN TO 10-DEGREE SQUARES OF LATITUDE AND LONGITUDE OR TO 1-DEGREE, 10-MINUTE, OR 1-MINUTE SQUARES.

FOR A 4-DIGIT GRID LOCATOR THE NUMBERS ARE AS FOLLOWS:

DIGIT 1 -- QUADRANT OF WORLD: 1=NE, 3=SE, 5=SW, 7=NW.

DIGIT 2 -- TENS DIGIT OF LATITUDE.

DIGITS 3/4 -- HUNDREDS AND TENS DIGITS OF LONGITUDE.

THUS 7408 WOULD BE THE 10-DEGREE SQUARE OF WHICH THE POINT 40N AND 080W IS THE LOWER RIGHT HAND CORNER.

FOR A SIX DIGIT NUBMER, DIGITS 5 AND 6 REPRESENT THE UNITS DIGITS OF LATITUDE AND LONGITUDE. THUS 740825 WOULD IDENTIFY THE 1-DEGREE SQUARE OF 42N AND 085W.

WITH AN 8-DIGIT NUMBER, 74082534 REPRESENTS THE SQUARE AT 42-DEGREES, 30-MINUTES NORTH AND 085-DEGREES, 40-MINUTES WEST, OR 10-MINUTE SQUARE.

THE SMALLEST AREA IDENTIFIED IN THE SYSTEM IS A 1-MINUTE SQUARE.
OR A 10-DIGIT GRID LOCATOR (E.G., 7408253415 IS 42-DEGRESS
31-MINUTES NORTH AND 085-DEGRESS, 45-MINUTES WEST).

PARAMETER IDENTIFICATION SECTION -- THIS PORTION OF THE FILE DESCRIPTION CONTAINS A LIST OF PARAMETERS MEASURED, THE SPHERE IT WAS MEASURED IN, THE METHODS USED AND THE UNITS OF MEASUREMENT. IN ADDITION, SUCH INFORMATION AS THE NUMBER OF MEASUREMENTS OF EACH PARAMETER AND THE FREQUENCY (IF REGULARLY SPACED) ARE REPORTED. A SPECIALIZED ENDEX VOCABULARY IS AVAILABLE DEFINING THE PARAMETER, SPHERE, AND METHOD TERMS USED.

QUESTIONS CONCERNING THIS OUTPUT SHOULD BE RELAYED TO THE NODC OCEANOGRAPHIC SERVICES BRANCH (202) 634-7500 OR TO THE DATA INDEX BRANCH (202) 634-7298.

DATA COLLECTED: NOVEMBER 1955 TO PRESENT PECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, U.S., CHESAPEAKE BAY, COASTAL, JAMES, YORK, RAPPAHANNOCK RIVERS

ABSTRACT:
PARASITE SURVEY OF FISHES IN THE CHESAPEAKE BAY REGION HOST RECORDS, INCIDENCE AND SEVERITY OF INFESTATION, ORGAN SPECIFICITY, HISTOLOGY OF INFESTATION LONG-TERM ACCUMULATIVE STUDY

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
2000 FISH SPECIMENS EXAMINED, REPRESENTING OVER 100 SPECIES

FUNDING:

INVENTORY:

PUBLICATIONS:
CHECKLIST OF THE BIOTA OF LOWER CHESAPEAKE BAY VIMS SPEC SCI REP 65-SECTION ON PARASITES KINGSTON, N; W A DILLON AND W J HARGIS 1969 STUDIES ON LARVAL MONOGENEA OF FISHES FROM THE CHESAPEAKE BAY AREA PART 1 JO PARASITOLOGY 55(3): 544-558; PAPERUA, I., AND D.E. ZWERUER. 1974. MASSIVE LEECH INFESTATION ON A WHITE CATFISH (ICTALURUS CATUS): A MISTOPATHOLOGICAL CONSIDERATION. PROC. HELM. SOC. WASH. 41(1): 64-67.

CONTACT:
DAVID ZWERNER 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730765 730766 730775 730776 730777 730787

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	YMDL	1000	STATIONS			
TIME	EARTH	STATION TIME	YMDL	1000	OBS			STATIONS MADE IN CONJUCTION WITH OTHER ACTIVITIES, NO PATTERN TO COLLECTION SEQUENCE IN THE FIELD
COUNT OF PARASITES	WATER	VISUAL	NUMBER PER FISH	2000	OBS			COLLECTIONS FROM OVER 100 SPECIES, HABITAT DATA,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF PARASITES	WATER	VISUAL	NUMBER PER ORGAN	2000 OBS			FISH LENGTH, WEIGHT, AND SEX RECORDED COLLECTIONS FROM OVER 100 SPECIES.
SAMPLE OF PARASITES	WATER	VARIOUS	PARASITE SPECIES	1000 OBS			HABITAT DATA, FISH LENGTH, WEIGHT, AND SEX RECORDED EMPHASIS ON MONOGENEA, COLLECTIONS INCLUDE COPEPODS AND ENDO-PARASITES, REFERENCE VIALS, SLIDE MOUNTS AND CROSS-SECTIONS

000094

HEAVY METALS, PCBS, AND PESTICIDES IN STRIPED BASS TISSUES
DATA COLLECTED: FEBRUARY 1973 TO MARCH 1973

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., NORTH ATLANTIC, COASTAL, OUTER BANKS OF NORTH CAROLINA AND CHESAPEAKE BAY TRIBUTARIES

ABSTRACT:
SURVEY OF PESTICIDES, CBS, AND HEAVY METALS IN GONADS, MESENTERY FAT, LIVER, AND PEDUNCLE MUSCLE OF STRIPED BASS FROM THE OUTER BANKS, N C AND TRIBUTARY RIVERS TO LOWER CHESAPEAKE BAY. INTENDED AS BASELINE DATA ON THE MIGRANT SEGMENT OF THE COASTAL POPULATION.

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
4 AREAS, 10 FISH PER AREA, 72 OBS PER FISH.

FUNDING:
BSFW AND VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN V MERRINER 207 781 2330
MAINE AUDUBON SOCIETY
GILSLAND FARM
FALMOUTH MAINE USA 04105

GRID LOCATOR (LAT):
730755 730766 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	4	STATIONS	1 TIME		
TIME	EARTH	STATION TIME	YMD	4	STATIONS	1 TIME		
SAMPLE OF DEMERSAL FISH	WATER	FORMALIN	10 FISH PER COLLECTION	80	OBS	1 TIME	BOTTOM	STRIPED BASS OBTAINED FROM COMMERCIAL CATCH, REPRESENTATIVE OF SIZE RANGE IN CATCH
DDT IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DDD IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER,
DDE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER,
LEAD IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER BILLION	480	OBS	1 TIME	BOTTOM	GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH CONCENTRATIONS IN GONAD, LIVER, MESENTERY FAT, AND PEDUNCLE MUSCLE RELATED TO AGE, LENGTH, WEIGHT, AND SEX OF STRIPED BASS
POLYCHLORINATED BIPHENYLS IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH
MERCURY IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER, GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH
ZINC IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER, GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH
CADMIUM IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER, GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH
COPPER IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM	ELECTRON CAPTURE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							TECHNIQUE, TISSUES INCLUDE LIVER, GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH
NICKEL IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	80	OBS	1 TIME	BOTTOM ELECTRON CAPTURE TECHNIQUE, TISSUES INCLUDE LIVER, GONAD, MESENTERY FAT, AND MUSCLE FROM PEDUNCLE, RESIDUES COMPARED TO SEX, AGE, LENGTH, AND WEIGHT OF FISH

000132

PARASITES OF STRIPED BASS
DATA COLLECTED: APRIL 1972 TO PRESENT

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., NORTH ATLANTIC, COASTAL, CHESAPEAKE BAY AND TRIBUTARIES

ABSTRACT:
PARASITE SURVEY OF STRIPED BASS IN THE CHESAPEAKE BAY AREA AND TRIBUTARY RIVERS. FAUNAL LISTS BY AREA, SEX, SEASON, AGE OF FISH. EFFECTS OF PARASITE BURDEN UPON BIOLOGY OF HOST FISH. HISTOPATHOLOGY OF INFECTION.
(IN CONJUNCTION WITH NSF SENIOR FOREIGN SCIENTIST PROGRAM)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS; REPORTS; PUNCHED CARDS
600 FISH EXAMINED, 1200 HISTOLOGY SLIDES, 3 NOTEBOOKS, 60 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:
PAPERUA, I., AND D.E. ZWERNER. 1973. PRELIMINARY REPORT ON THE DYNAMICS OF PARASITIC INFECTIONS IN THE STRIPED BASS, MORONE SAXATILIS (WALBAUM), FROM THE YORK RIVER, VA. J. SCI., PROC. 24(3): 132; PAPERUA, I., AND D.E. ZWERNER. 1974. KUDOA CEREBRALIS SP.N. (MYXOSPORIDEA, CHLOROMYXIDAE) FROM THE STRIPED BASS, MORONE SAXATILIS (WALBAUM). J. PROTOZOOL. 21(1): 15-19.

CONTACT:
DAVID ZWERNER 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730775 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	YMDL	240	STATIONS	TWICE PER MONTH		
TIME	EARTH	STATION TIME	YMDL	240	STATIONS	TWICE PER MONTH		
COUNT OF PARASITES	WATER	VISUAL	NUMBER PER ORGAN	5400	OBS	TWICE PER MONTH		EXAMINED 8 ORGANS IN EACH FISH, MORONE SAXATILIS
SPECIES DETERMINATION OF PARASITES	WATER	KEY	SPECIES	39	OBS			SPECIES REFERENCE COLLECTION MAINTAINED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TAXONOMIC LIST OF PARASITES	WATER	KEY	ORDER, FAMILY, GENUS, SPECIES LIST PER ORGAN, SEASON, AND LOCALE	39 OBS			13 CATEGORIES: VIRUS, CHLAMYDIA, BACTERIA, PROTOZOA, MONOGENEA, DIGENEA, CESTODA, NEMATODA, ACANTHOCEPHALA, COPEPODA, MOLLUSCA, HIRUDINEA, BRANCHIURA
BIOLOGICAL CONDITION OF PELAGIC FISH	WATER	PATHOLOGICAL	RANK SCALE OF RESPONSE OR DAMAGE	1200 OBS			LIGHT MICROSCOPY. ATLAS OF NORMAL TISSUE HISTOLOGY, DATA RELATED TO FISH AGE, LENGTH, SEX, GONAD MATURITY

DATA COLLECTED: OCTOBER 1961 TO PRESENT
RECEIVED: NOVEMBER 07, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
ANNUAL SURVEY OF MARYLAND OYSTER BARS, NATURAL AND PLANTED, DATA INCLUDES NUMBER AND SIZE OF OYSTERS; ASSOCIATED INVERTEBRATES RELATIVE ABUNDANCE; INCIDENCE OF DRILLS; NOTES ON CONDITION, COLOR, AND GONAD DEVELOPMENT; DEPTH, TEMPERATURE, AND SALINITY. LONG TERM SURVEY DATA AVAILABLE. AVERAGE 1250 STATIONS PER YEAR, 12 YEARS DATA (BLUE CRAB DATA DESCRIBED SEPARATELY)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
4 FILE BOXES, 8 CUBIC FEET.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
HAROLD A DAVIS 301-267-5366
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730786 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1250	STATIONS	1 TIME PER YEAR		OYSTER BARS IN MARYLAND WATERS
TIME	EARTH	STATION TIME	YMD	1250	STATIONS	1 TIME PER YEAR		
TEMPERATURE	WATER	THERMISTOR	DEGREES C	1250	OBS	1 TIME PER YEAR	BOTTOM	RS-5
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	1250	OBS	1 TIME PER YEAR	BOTTOM	RS-5
DEPTH	WATER	WIRE LENGTH	FEET	1250	OBS	1 TIME PER YEAR	BOTTOM	
TAXONOMIC LIST	BOTTOM	KEY	RANK SCALE OF	1250	OBS	1 TIME PER	BOTTOM	SCALE FOR RANK

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC ANIMALS			GENERA BY ABUNDANCE			YEAR		0 IS ABSENT AND 4 IS ABUNDANT
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF OYSTERS, MUSSELS, CLAMS, SPAT COUNTS ON SHELL FROM NATURAL AND PLANTED BEDS, NUMBER OF OYSTER DRILLS, NUMBER OF MARKET AND SMALL OYSTERS, ALL COUNTS ON PER SAMPLE BASIS	1250	OBS	1 TIME PER YEAR	BOTTOM	COMMERCIAL DREDGE SAMPLER
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	INCHES, DISTRIBUTION OF MARKET AND SMALL OYSTERS	1250	OBS	1 TIME PER YEAR	BOTTOM	ALL OYSTERS IN SAMPLE MEASURED, RECORDED CONDITION OR FATNESS WITH 0 TO 5 SCALE, COLOR NOTED
GONADAL DEVELOPMENT OF BENTHIC ANIMALS	BOTTOM	GROSS EXAMINATION	PRESENT OR ABSENT	1250	OBS	1 TIME PER YEAR	BOTTOM	ALL OYSTERS EXAMINED

000172

HURRICANE AGNES CLAM SURVEY PROGRAM
DATA COLLECTED: JANUARY 1973 TO MARCH 1973

RECEIVED: NOVEMBER 14, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
EXTENSIVE SURVEY OF SOFT CLAM POPULATION AND DISTRIBUTION AFTER THE PASSAGE OF HURRICANE AGNES. DATA COLLECTED BY COMMERCIAL CLAM FISHERMEN. MARKET AND SUB-MARKET COUNTS, VOLUME PER ACRE, SIZE IN INCHES FOR SUBMARET CLAMS.
(DATA SHEETS TO BE MICROFILMED FOR STORAGE)

DATA AVAILABILITY:
COST OF RETRIEVAL

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC TAPE DIGITAL; DATA SHEETS
16 CUBIC FEET OF DATA SHEETS, 2-6 INCH THICK COMPUTOR PRINTOUTS

FUNDING:
MD DNR

INVENTORY:

PUBLICATIONS:

CONTACT:
F L HAMONS 301-267-5784
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730786 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	31000	STATIONS			
TIME	EARTH	STATION TIME	YMD	31000	STATIONS			
DEPTH	WATER	WIRE LENGTH	FEET	31000	OBS	1 TIME EACH STATION	BOTTOM	
BOTTOM TYPE	BOTTOM	VISUAL	SOFT, MEDIUM, HARD, OYSTER	31000	OBS	1 TIME EACH STATION	BOTTOM	---
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	PER CENT OF SAMPLE THAT WAS MARKET SIZE	31000	OBS	1 TIME EACH STATION	BOTTOM	SOFT CLAM ONLY, 12 SQ FT SAMPLE WITH CUTTING HEAD DREDGE
VOLUME DETERMINA	BOTTOM	VISUAL	BUSHELS PER	31000	OBS	1 TIME EACH	BOTTOM	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TION OF BENTHIC ANIMALS			ACRE FOR MARKET AND SUBMARKET SIZE			STATION		
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	INCHES, MEAN SIZE AND RANGE FOR MARKET AND SUBMARKET SOFT CLAMS	31000	OBS	1 TIME EACH STATION	BOTTOM	

000175

HARD CLAM DISTRIBUTION, ABUNDANCE, AND SIZE
DATA COLLECTED: JANUARY 1968 TO DECEMBER 1970

PECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MARYLAND, OCEANSIDE EASTERN SHORE

ABSTRACT:
MODERATE MONITORING PROGRAM TO EVALUATE POSSIBLE DEPLETION OF POPULATIONS BY ESCALATOR DREDGE. 12 STATIONS, TEST SITES INCLUDED COMMERCIAL SITE AND NEARBY CONTROL AREA. DATA INCLUDES SIZE AND DENSITY PARAMETERS FOR RAKE AND DREDGE GEAR.

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
1 INCH STACK OF DATA SHEETS

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:
884 TOTAL SAMPLES TAKEN, 31 STATION SITES, 3 TEST PLOTS

PUBLICATIONS:

CONTACT:
JIM CASEY 301-827-8122
WYEMILLS REGIONAL STATION
P O BOX 68
WYEMILLS MARYLAND USA 21679

GRID LOCATOR (LAT):
730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	884	OBS			
TIME	EARTH	STATION TIME	YMD	884	OBS			
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER VISIT AND PER 100 SQ FT	884	OBS		BOTTOM	CLAM RAKE, 1 TO 3 FEET DEPTH, STANDARD SAMPLE AREA WAS 100 SQ FT ALSO CLAM DREDGE 6 TO 8 FEET DEPTH, STANDARD SAMPLE AREA

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DEPTH	WATER	WIRE LENGTH	NUMBER PER VISIT AND PER 100 SQ FT	884 OBS		BOTTOM	WAS 30 SQ FT
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	LENGTH IN MILLIMETERS OF LONG AXIS	884 OBS		BOTTOM	ALL CLAMS MEASURED. LENGTH FREQUENCY TABULATED, HARD CLAMS ONLY

000220

STREAM IMPROVEMENT PROGRAM FOR ANADROMOUS FISH MANAGEMENT AFC-3: INVENTORY OF DAMS

DATA COLLECTED: SEPTEMBER 1968 TO AUGUST 1970

RECEIVED: NOVEMBER 19, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY MARYLAND TIDEWATER STREAMS

ABSTRACT:
AN INVENTORY OF STREAM IMPOUNDMENTS OR DAMS WITHIN EIGHTEEN MARYLAND COUNTIES WAS UNDERTAKEN TO DETERMINE THE TOTAL LENGTH AND NUMBER OF STREAMS AVAILABLE ASSPAWNING AND NUSERY AREAS.
(LOCATIONS AND TYPES OF SPAWNING BARRIERS WITHIN STREAMS OF 18 TIDEWATER MARYLAND COUNTIES WERE INVENTORIED: ALSO AVAIL AS SUMMARY REPORT)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
SEVERAL NOTEBOOKS OF DATA SHEETS AND SUMMARY REPORT.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
C JAY O'DELL 301-267-5361
DEPARTMENT OF NATURAL RESOURCES, FISHERIES ADMINISTRATION
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

020

GRID LOCATOR (LAT):
730796 730795 730786 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	364	STATIONS			INVESTIGATIONS IDENTIFIED STREAM IMPOUNDMENTS
TIME	EARTH	STATION TIME	YMD	364	STATIONS			
LAND USE	LAND	VISUAL	SPAWNING BARRIERS	262	OBS			ANY BARRIER WITH A VERTICAL DROP GREATER THAN 3 FEET; LOCATION AND TYPE NOTED

000234

FISH KILL INVESTIGATIONS IN MARYLAND WATERS
DATA COLLECTED: JANUARY 1965 TO PRESENT

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
REPORTED FISH KILLS IN MARYLAND WATERS, WATER ANALYSIS, ANALYSIS OF FISH OR CAUSE OF DEATH, DATA FROM 221 KILLS, 72 IN 1973 THROUGH OCTOBER 11. COUNTS, SIZES, SPECIES LISTS, VALUES FOR FISHES INVOLVED.
(SUMMARY SHEETS BY YEAR WITH DATE, LOCATION, SPECIES, PROBABLE CAUSE OF KILL)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS; REPORTS
1 FILE CABINET DRAWER

FUNDING:
MD DEPT NAT RES

INVENTORY:

PUBLICATIONS:

CONTACT:
HOWARD KING 301-267-5783
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730787 730795 730797

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	221	STATIONS			
TIME	EARTH	STATION TIME	YMDHML	221	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	500	OBS			USUALLY SURFACE, SOME PROFILES
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	500	OBS			USUALLY SURFACE, SOME PROFILES
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PARTS PER MILLION	1000	OBS			YSI PROBE MODEL 51, PROFILE READINGS
DISSOLVED OXYGEN GAS	WATER	TITRATION	PARTS PER MILLION	1000	OBS		AZIDE MODIFICATION	PROFILES MADE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
						WINKLER, PROFILE READINGS .N-SALINITY S-WATER M-CONDUCTIVITY U-PARTS PER THOUSAND T-OBS Q-1000 F-H-	
SALINITY	WATER	HYDROMETER	PARTS PER THOUSAND	100	OBS		PROFILES MADE
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	1000	OBS		WATER RESOURCES ADMINISTRATION OF DEPARTMENT RUNS ANALYSES FOR PH, TOTAL ALKALINITY, HARDNESS, CYANIDE, PHENOLS, AMMONIA, METALS, PESTICIDES; SOME ANALYSES BY EPA LABORATORY
TOTAL ALKALINITY	WATER	TITRATION	PARTS PER MILLION	1000	OBS		
HARDNESS	WATER	EDTA TITRATION	PARTS PER MILLION	1000	OBS		
CYANIDE	WATER	TITRATION	COLORIMETRY	100	OBS		
PHENOLS	WATER	COLORIMETRY	COLORIMETRY	100	OBS		
AMMONIA	WATER	SPECTROPHOTOMETRY	COLORIMETRY	100	OBS		
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	COLORIMETRY	100	OBS		
NICKEL	WATER	ATOMIC ABSORPTION SPECTROMETRY	COLORIMETRY	100	OBS		
CADMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	COLORIMETRY	100	OBS		
CHROMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	COLORIMETRY	100	OBS		
COPPER	WATER	ATOMIC ABSORPTION SPECTROMETRY	COLORIMETRY	100	OBS		
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	COLORIMETRY	100	OBS		
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	COLORIMETRY	30	OBS		SPECIAL REQUEST IF SUSPECTED POLLUTANT
POLYCHLORINATED BIPHENYLS	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS		SPECIAL REQUEST IF SUSPECTED POLLUTANT
DDT	WATER	GAS CHROMATOGRAPH	PARTS PER	30	OBS		SPECIAL REQUEST

0222

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		Y	BILLION				IF SUSPECTED POLLUTANT SPECIAL REQUEST
DDD	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	30 OBS			IF SUSPECTED POLLUTANT SPECIAL REQUEST
DDE	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	30 OBS			IF SUSPECTED POLLUTANT SPECIAL REQUEST
DIELDRIN	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	30 OBS			IF SUSPECTED POLLUTANT SPECIAL REQUEST
ALDRIN	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	30 OBS			IF SUSPECTED POLLUTANT SPECIAL REQUEST
CHLORDANE	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	30 OBS			IF SUSPECTED POLLUTANT SPECIAL REQUEST
HEPTACHLOR	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	30 OBS			IF SUSPECTED POLLUTANT SPECIAL REQUEST
COUNT OF PELAGIC FISH	WATER	VISUAL	TOTAL NUMBER, NUMBER PER SPECIES	221 OBS			COUNT ALL FISH IN AN AREA, EXPANDED TO TOTAL AREA OF KILL, SHORELINE AND WATER SURFACE COUNT
COUNT OF DEMERSAL FISH	WATER	VISUAL	TOTAL NUMBER, NUMBER PER SPECIES	221 OBS			COUNT ALL FISH IN AN AREA, EXPANDED TO TOTAL AREA OF KILL, SHORELINE AND WATER SURFACE COUNT
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES IN KILL	221 OBS			
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES IN KILL	221 OBS			
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	ONE-TENTH INCH	221 OBS			SUMMARIZED IN 2 INCH GROUPS FOR VALUE ESTIMATE
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	ONE-TENTH INCH	221 OBS			SUMMARIZED IN 2 INCH GROUPS FOR VALUE ESTIMATE
CYANIDE IN BIO MATERIAL	WATER	TITRATION	PARTS PER MILLION	30 OBS			GILLS, VISCERA, AND MUSCLE OF DEAD AND

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								MORIBUND FISH
PHENOLS IN BIO MATERIAL	WATER	COLORIMETRY	PARTS PER MILLION	30	OBS			
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	30	OBS			
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	30	OBS			
CHROMIUM IN BIO MATERIAL	WATER	GAMMA RAY SPECTROMETRY	PARTS PER MILLION	30	OBS			
IRON IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	30	OBS			
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	30	OBS			
MERCURY IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	30	OBS			
DDD IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS			
DDE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS			
DDT IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS			
DIELDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS			
ALDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS			
CHLORDANE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS			
HEPTACHLOR IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	30	OBS			

000236

ANADROMOUS FISHES
DATA COLLECTED: JANUARY 1969 TO JUNE 1973

RECEIVED: NOVEMBER 19, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., COASTAL, NORTH CAROLINA, VIRGINIA

ABSTRACT:
CATCH RECORDS FROM 26 STATIONS AS WELL AS FECUNDITY, LENGTH-WEIGHT, AGE-GROWTH, MORTALITY, MIGRATION, STOMACH CONTENT ANALYSES, LENGTH-FREQUENCY, AND FOREIGN FLEET EXPLOITATION INFORMATION ARE AVAILABLE.
(PHYSICAL DATA AVAILABLE FOR EACH STATION ON R/V DAN MOORE LOG DATA PRINTOUTS FOREIGN FLEET EXPLOITATION OF FISHES OBSERVED AND RECORDED DISTRIBUTION OF SPECIES DETERMINED BY SEASON AND DEPTH AGE AND GROWTH CALCULATED)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
SEVERAL NOTEBOOKS OF DATA SHEETS.

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
B F HOLLAND JR AND ALLYN B POWELL 919-726-7021 X237
NORTH CAROLINA, DIVISION OF COMMERCIAL AND SPORTS FISHERIES
P O BOX 769
MOREHEAD CITY NORTH CAROLINA USA 28557

GRID LOCATOR (LAT):
730765 730764 730775 730774 730785 730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DMS	26 STATIONS			
TIME	EARTH	STATION TIME	YMDHM	26 STATIONS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES	26 STATIONS			ALSO NOTED: SEX, SEXUAL MATURITY
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS	26 STATIONS			
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MILLIMETERS	26 STATIONS			
AGE DATING OF PELAGIC FISH	WATER	LENGTH FREQUENCY	FREQUENCY VS BODY LENGTH, OR AGE CLASS	26 STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	GRAMS	26	STATIONS		
STOMACH CONTENT ANALYSIS OF PELAGIC FISH	WATER	VISUAL	VOLUMETRIC DISPLACEMENT	26	STATIONS		
FECUNDITY OF PELAGIC FISH	WATER	VISUAL	NUMBER OF EGGS	26	STATIONS		
MORTALITY OF PELAGIC FISH	WATER	TAGGING STUDIES	PER CENT	26	STATIONS		
MIGRATION STUDY OF PELAGIC FISH	WATER	TAGGING STUDIES	DESCRIPTIVE	26	STATIONS		

926

PCB'S AND PESTICIDES IN STRIPED BASS
DATA COLLECTED: APRIL 1972 TO PRESENT

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, NANTICOKE AND CHOPTANK RIVERS

ABSTRACT:
PESTICIDES AND PCB'S IN STRIPED BASS EGGS. 24 FISH COLLECTED FROM NANTICOKE AND CHOPTANK RIVERS, MARYLAND DURING SPAWNING SEASON IN 1972 AND 1973. BACKGROUND LEVELS SOUGHT AND POSSIBLE EFFECTSON SUCCESS OF SPAWNING EVALUATED. (ANALYSES PERFORMED BY EPA GULFBREEZE LAB, USFW SERVICE LAB IN COLUMBIA MISSOURI, AND WESTINGHOUSE OCEAN ENGINEERING CENTER (SEE THOMAS MUNSON FILE))

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
1 NOTEBOOK 2 INCHES THICK

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH BOONE 301-267-5785
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	16	STATIONS.			
TIME	EARTH	STATION TIME	YMD	16	STATIONS			
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	ONE-TENTH INCHES PER FISH	24	OBS			FEMALES ON SPAWNING RUN FROM WHICH TISSUE TAKEN FOR ANALYSES, STRIPED BASS
WEIGHT OF DEMERSAL FISH	WATER	WET WEIGHT	ONE-TENTH POUNDS	24	OBS			FEMALES ON SPAWNING RUN FROM WHICH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							TISSUE TAKEN FOR ANALYSES, STRIPED BASS
AGE DATING OF DEMERSAL FISH	WATER	SCALES	YEARS	24	OBS		FEMALES ON SPAWNING RUN FROM WHICH TISSUE TAKEN FOR ANALYSES, STRIPED BASS
DDD IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	24	OBS		STRIPED BASS EGGS
DDE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	24	OBS		STRIPED BASS EGGS
DDT IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	DDT FRACTION AND TOTAL RESIDUE IN PARTS PER MILLION	24	OBS		STRIPED BASS EGGS
POLYCHLORINATED BIPHENYLS IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	24	OBS		STRIPED BASS EGGS
DIELDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	15	OBS		STRIPED BASS EGGS
CHLORDANE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	12	OBS		STRIPED BASS EGGS
AROMATIC HYDROCARBONS IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	7	OBS		BENZINE HEXACHORIDE IN STRIPED BASS EGGS

8211

UPTAKE, METABOLISM, AND DISTRIBUTION OF DDT IN ORGANS OF THE BLUE CRAB, CALLINECTES SAPIDUS

DATA COLLECTED: MAY 1973 TO JUNE 1973

RECEIVED: DECEMBER 05, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, YORK RIVER

ABSTRACT:
DDD, DDE, DDT WERE MEASURED IN VARIOUS ORGANS OF BLUE CRABS FROM THE YORK RIVER, VIRGINIA.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
SEVERAL DATA SHEETS ARE INCLUDED IN M S THESIS

FUNDING:

INVENTORY:

PUBLICATIONS:
M S THESIS PETER F SHERIDAN, 1973 PESTICIDE LEVELS IN BLUE CRABS OF THE YORK RIVER ARE INCLUDED IN THESIS

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1 STATIONS			
TIME	EARTH	STATION TIME	YMD	5 OBS			YORK RIVER VIRGINIA
DDT IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	7 OBS			CONCENTRATIONS IN GILLS, HEPATOPANCREAS, OVARIES OR TESTES, CLAW MUSCLE, BACKFIN MUSCLE, HEART OF BLUE CRABS
DDE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	7 OBS			CONCENTRATIONS IN GILLS, HEPATOPANCREAS,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							OVARIES OR TESTES, CLAW MUSCLE, BACKFIN MUSCLE, HEART OF BLUE CRABS
DDD IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	7	OBS		CONCENTRATIONS IN GILLS, HEPATOPANCREAS, OVARIES OR TESTES, CLAW MUSCLE, BACKFIN MUSCLE, HEART OF BLUE CRABS

PROJECTS:
FISH COMMUNITIES OF SUSQUEHANNA RIVER

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND, COASTAL, SUSQUEHANNA RIVER

ABSTRACT:
TEMPERATURE AND DISSOLVED OXYGEN DATA FOR A 3 MILE SECTION OF THE SUSQUEHANNA RIVER BELOW CONOWINGO DAM DURING ANADROMOUS FISH SPAWNING SEASON. MONITORING TRIPS COINCIDE WITH EXPECTED AGGREGATION OF FISH AT TAILRACE. INTENDED TO PREVENT FISH KILL OF ADULT ALOSA SPP OR DOCUMENT CAUSE IF ONE OCCURS.
(SEE ALSO ICHTHYCUOGICAL ASSOCIATES FILES-CONOWINGO)

DATA AVAILABILITY:
COST OF DUPLICATION

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS; REPORTS
1 FILE CABINET DRAWER

FUNDING:
NMFS DEPT OF COMMERCE; BSFW DEPT OF INTERIOR; MARYLAND DNR PROJECT MD AFSC 1-1.

INVENTORY:

PUBLICATIONS:
ANNUAL REPORT FOR PROJECT MD AFCS 1-1

CONTACT:
W.R. CARTER 301-267-5361
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	1 STATIONS			A 3 MILE SECTION OF RIVER
TIME	EARTH	SAMPLING TIME	YMDHML	1 STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	1 OBS	HOURLY	SURFACE	YSI MODEL 54, NIGHT OBSERVATIONS AT 5 STATIONS, 8 HOURS PER VISIT, DAILY,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							THERMAL FISH KILLS, APPROXIMATELY 2 YEARS OF PRIOR DATA NOT IN REPORT WERE TAKEN IRREGULARLY
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PARTS PER MILLION	1 OBS	HOURLY	SURFACE	

000256

EVALUATION OF CHANNELIZATION EFFECTS ON AQUATIC HABITAT
DATA COLLECTED: JULY 1973 TO PRESENT

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL, MARYLAND, EASTERN SHORE

ABSTRACT:
EXTENSIVE DATA BASE ON 19 CHANNELIZED STREAMS INCLUDING WATER CHEMISTRY, BENTHOS, AND FISHES. COMPARISONS ACROSS STREAMS BASED UPON TIME SINCE CHANNELIZED. DETERMINATION OF RECOVERY TIME AND SEQUENCE OF BIOTA AND CHEMICAL FACTORS.

DATA AVAILABILITY:
WITH REQUEST AND COST OF DUPLICATION

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
2 STANDARD FILE DRAWERS

FUNDING:
BSFW DINGELL-JOHNSON ACT AND MARYLAND DNR, PROJECT MD F 24 R

INVENTORY:

PUBLICATIONS:

CONTACT:
W.R. CARTER 301-267-5361
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS MARYLAND USA 21401

GRID LOCATOR (LAT):
730785 730786 730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	648	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	648	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	BECKMAN RS-5
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	BECKMAN RS-5
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	YSI.MODEL 54
SULFATE	WATER	COLORIMETRY	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	HACH KIT TEST
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	BECKMAN LAB MODEL
PHOSPHATE	WATER	COLORIMETRY	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	HACH KIT TEST

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
HARDNESS	WATER	EDTA TITRATION	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	
TOTAL ALKALINITY	WATER	TITRATION	PARTS PER MILLION	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	
LIGHT ATTENUATION	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION AS SILICON DIOXIDE	1296	OBS	2 TIMES PER MONTH	SURFACE AND BOTTOM	HELLIGE
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	0 PT 1 METERS	1296	OBS	2 TIMES PER MONTH		
DEPTH	WATER	WIRE LENGTH	FEET	1296	OBS	2 TIMES PER MONTH	BOTTOM	
BOTTOM TYPE	BOTTOM	VISUAL	SAND, MUD, SHELL, MIXED	1296	OBS	2 TIMES PER MONTH	BOTTOM	
BATHYMETRY	WATER	LEAD LINE	CROSS SECTION AREA IN SQ FT	540	OBS			STREAM PROFILE
WEIGHT OF BENTHIC PLANTS	BOTTOM	WET WEIGHT	PER SQ FT PER TRANSECT	540	OBS	2 TIMES		SAMPLE EVERY THIRD FOOT ON TRANSECT
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	INTERCEPTED INCHES ON TRANSECT	540	OBS	2 TIMES	BOTTOM	10 TRANSECTS ON 27 STREAMS
CURRENT SPEED	WATER	IMPELLOR METER	FT PER SECOND	540	OBS	2 TIMES		SEASONAL READINGS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	AVERAGE NUMBER PER AREA	540	OBS	2 TIMES		SMALL PETERSEN GRAB, 1 SAMPLE PER TRANSECT
TAXONOMIC LIST OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER GENUS	540	OBS	2 TIMES		SMALL PETERSEN GRAB, 1 SAMPLE PER TRANSECT
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	RANK ANALYSIS	54	OBS			BENTHIC ANIMALS
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER PER SPECIES PER AREA, SPECIES LIST	27	OBS			100 FOOT ROTENONE SAMPLE
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER PER SPECIES PER AREA, SPECIES LIST	27	OBS			100 FOOT ROTENONE SAMPLE
COUNT OF DEMERSAL FISH	WATER	VISUAL	AVERAGE NUMBER PER AREA	27	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL	AVERAGE NUMBER PER AREA	27	OBS			
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	RANK ANALYSIS	27	OBS			FISH COMMUNITY
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MILLIMETERS	5000	OBS			ALL GAME FISHES
WEIGHT OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS	5000	OBS			ALL GAME FISHES
AGE DATING OF	WATER	SCALES	YEARS	5000	OBS			ALL GAME FISHES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DEMERSAL FISH							

BENTHOS

DATA COLLECTED: JANUARY 1966 TO DECEMBER 1968

RECEIVED: JANUARY 15, 1974

PROJECTS:
SPOIL DISPOSAL IN UPPER CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY

ABSTRACT:
TO DETERMINE THE EFFECTS ON THE BENTHOS OF CHANNEL DREDGING AND OVERBOARD SPOIL DISPOSAL, STATIONS IN THE UPPER CHESAPEAKE BAY WERE BOTTOM SAMPLED FOR BENTHIC ANIMALS AND SEDIMENT.
(DATA AVIALABLE IN REPORTS TO BUREAU OF SPORT FISHERIES AND WILDLIFE, U S DEPARTMENT OF THE INTERIOR. SPECIES DIVERSITY, BIOMASS, CALCULATIONS PRESENTED IN FINAL REPORT)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
SEVERAL REPORTS AND SEVERAL FILES OF DATA SHEETS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
HAYES T. PFITZENMEYER 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	59 STATIONS			29 UPPER BAY STATIONS, 30 DREDGE DISPOSAL AREA STATIONS
TIME	EARTH	STATION TIME	YMD	710 OBS			UPPER BAY STATIONS SAMPLED QUARTERLY BEGINNING JAN 1966; DISPOSAL AREA STATIONS SAMPLED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								BIMONTHLY BEGINNING SEPT 1966
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT SAND, SILT AND CLAY	120	OBS			SEDIMENT SAMPLES TAKEN AT SELECTED DISPOSAL AREA STATIONS BEFORE AND AFTER DREDGING OPERATION
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS	710	OBS	QUARTERLY OR BIMONTHLY		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES	710	OBS	QUARTERLY OR BIMONTHLY		
ORGANIC CARBON	SEDIMENT	ASH WEIGHT	PERCENT ORGANIC CARBON	13	OBS			SAMPLES OF FIRST FIVE CENTIMETERS OF SEDIMENT WERE TAKEN AT SELECTED STATIONS
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	500	OBS		SURFACE	SELECTED STATIONS
TEMPERATURE	WATER	THERMISTOR	DEGREES CENTIGRADE	500	OBS		SURFACE	SELECTED STATIONS

FISH EGGS AND LARVAE
DATA COLLECTED: MAY 1966 TO NOVEMBER 1968

RECEIVED: JANUARY 15, 1974

PROJECTS:
SPOIL DISPOSAL IN UPPER CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY

ABSTRACT:
EGGS, LARVAE AND JUVENILES OF ESTUARINE FISHES WERE SAMPLED BIWEEKLY, AT FOURTEEN UPPER CHESAPEAKE BAY STATIONS, OVER A TWO YEAR PERIOD. THE PURPOSE OF THE INVESTIGATION WAS TO DESCRIBE ORGANISM ABUNDANCE, DISTRIBUTION AND MOVEMENT AND TO MONITOR ANY POSSIBLE EFFECTS OF DREDGING AND SPOIL DISPOSAL ACTIVITIES.
(DATA AVAILABLE IN NUMEROUS REPORTS TO BUREAU OF SPORT FISHERIES AND WILDLIFE)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
SEVERAL REPORTS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM L DOVEL 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
NATURAL RESOURCES INSTITUTE
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730798 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	14	STATIONS			
TIME	EARTH	STATION TIME	YMD	800	OBS	BIWEEKLY		
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER OF INDIVIDUALS	1600	OBS	BIWEEKLY	SURFACE AND BOTTOM	FISH EGGS AND LARVAE ONLY; ONE-METER PLANKTON NET TOWS
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER OF SPECIES	1600	OBS	BIWEEKLY	SURFACE AND BOTTOM	FISH EGGS AND LARVAE ONLY; ONE-METER PLANKTON NET TOWS

000300

FISH EGGS AND LARVAE (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	THERMISTOR	DEG C	1600	OBS	BIWEEKLY	SURFACE AND BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	1600	OBS	BIWEEKLY	SURFACE AND BOTTOM	
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS	1600	OBS	BIWEEKLY	SURFACE AND BOTTOM	LARVAE AND JUVENILES
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES	1600	OBS	BIWEEKLY	SURFACE AND BOTTOM	LARVAE AND JUVENILES
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MILLIMETERS	1600	OBS	BIWEEKLY	SURFACE AND BOTTOM	LARVAE AND JUVENILES

DATA COLLECTED: AUGUST 1965 TO JULY 1968 RECEIVED: JANUARY 01, 1976

PROJECTS:
SPOIL DISPOSAL IN UPPER CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY

ABSTRACT:
TEN STATIONS IN THE UPPER CHESAPEAKE BAY WERE SAMPLED MONTHLY BY OTTER TRAWL TO DETERMINE COMPOSITION OF ADULT FISH FAUNA, AND TO DETERMINE ANY GROSS BENEFIT TO FISH BIOTA BY DREDGING OR SPOIL DISPOSAL ACTIVITIES.
(DATA AVAILABLE IN NUMEROUS REPORTS TO BUREAU OF SPORT FISHERIES AND WILDLIFE. DATA INCLUDED FROM PERIODIC DRIFT AND ANCHOR GILL NETTING)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
SEVERAL REPORTS

FUNDING:
U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE

INVENTORY:

PUBLICATIONS:
CRONIN, L.E, R.B. BIGGS, D.A. FLAMEE, H.T. PFITZENMGES, J.M. O'DELL, F. GOODWYN,JR., W.L. DOREL, AND D.E. RICHIE,JR., 1970, FINAL REPORT TO THE U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE UNDER CONTRACT 14-16-0005-2096 ON PROJECT: GROSS PHYSICAL AND BIOLOGICAL EFFECTS OF OVERBOARD SPOIL DISPOSAL IN UPPER CHESAPEAKE BAY. NRI SPEC. REPORT 3, 66P.

CONTACT:
DOUG RITCHIE 301 326 4281 X20
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730796 730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS			
TIME	EARTH	STATION TIME	YMD	350	OBS	MONTHLY		
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS	350	OBS	MONTHLY		OTTER TRAWLING
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS	350	OBS	MONTHLY		OTTER TRAWLING
SPECIES DETERMINATION OF DEMERSAL	WATER	KEY	SPECIES NUMBER	350	OBS	MONTHLY		OTTER TRAWLING

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
FISH SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES NUMBER	350	OBS	MONTHLY		OTTER TRAWLING

HEAVY METALS IN HARD CLAMS
DATA COLLECTED: MARCH 1972 TO FEBRUARY 1973

RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, YORK RIVER

ABSTRACT:
ZINC, COPPER AND CADMIUM LEVELS WERE MEASURED IN HARD CLAMS (MERCENARIA MERCENARIA) COLLECTED AT 35 LOCATIONS IN THE LOWER CHESAPEAKE BAY OVER A ONE YEAR PERIOD BEGINNING MARCH 1972.

DATA AVAILABILITY:
THE RESULTS OF THE STUDY ARE AVAILABLE ON DATA SHEETS FROM VIMS.

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
1200 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. PETER LARSEN 207 633 5572
MAINE DEPARTMENT OF MARINE RESOURCES
WEST BOOTHBAY HARBOR MAINE USA 04575

GRID LOCATOR (LAT):
730776 730766

042

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	35	STATIONS			
TIME	EARTH	STATION TIME	YMDL	35	STATIONS			
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	400	OBS			MERCENARIA MERCENARIA
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	400	OBS			MERCENARIA MERCENARIA
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	400	OBS			MERCENARIA MERCENARIA
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NAME	1	OBS			MERCENARIA MERCENARIA

INVESTIGATIONS OF THE EFFECT ON OYSTER CULTURE OF DREDGING FOR THE HAMPTON ROADS BRIDGE-TUNNEL

DATA COLLECTED: JANUARY 1953 TO DECEMBER 1956

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, HAMPTON ROADS

ABSTRACT:
THE EFFECT ON OYSTER CULTURE (CRASSOSTREA VIRGINICA) OF DREDGING FOR A BRIDGE-TUNNEL IN THE CHESAPEAKE BAY. ONE OF 2 STATIONS WERE SAMPLED BIWEEKLY FOR 48 MONTHS. DATA APPEARS IN VIMS SPECIAL SCIENTIFIC REPORT NO 12

DATA AVAILABILITY:
OPEN FILE, COST OF REPRODUCTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
VIMS SPECIAL SCIENTIFIC REPORT NO 12 FOR 10 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 12

CONTACT:
LIBRARIAN 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS	ONE STATION EVERY TWO WEEKS		
TIME	EARTH	STATION TIME,	YMDL	104	OBS	ONE STATION EVERY TWO WEEKS		
MORTALITY OF BENTHIC ANIMALS	BOTTOM	VISUAL	PERCENT OF TOTAL	150	OBS	ONE STATION EVERY TWO WEEKS		CRASSOSTREA VIRGINICA
BIOLOGICAL CONDITION OF BENTHIC ANIMALS	BOTTOM	VISUAL	ARBITRARY UNITS	150	OBS	ONE STATION EVERY TWO WEEKS		CRASSOSTREA VIRGINICA

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NAME	150 OBS	ONE STATION EVERY TWO WEEKS		CRASSOSTREA VIRGINICA

000770

HEAVY METALS IN HARD CLAMS AND OYSTERS
DATA COLLECTED: NOVEMBER 1972 TO DECEMBER 1972

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LOWER JAMES RIVER, NEWPORT NEWS SHIPYARD

ABSTRACT:
130 OBSERVATIONS OF HEAVY METALS IN HARD CLAMS AND OYSTERS WERE OBSERVED AT 20 STATIONS IN THE NEWPORT NEWS SHIPYARD. COPPER, ZINC, AND CADMIUM WERE DETECTED BY ATOMIC ABSORPTION SPECTROMETRY

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS; REPORTS
DATA SHEETS FOR 20 STATIONS MEASURED FOR 2 MONTHS

FUNDING:

INVENTORY:

PUBLICATIONS:
REPORT TO BE SENT TO NEWPORT NEWS SHIPBUILDING AND DRYDOCK COMPANY

CONTACT:
ROBERT HUGGETT 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	20	STATIONS			
TIME	EARTH	STATION TIME	YMDL	20	STATIONS			
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	130	OBS			CRASSOSTREA VIRGINICA, MERCENARIA MERCENARIA CRASSOSTREA VIRGINICA, MERCENARIA MERCENARIA CRASSOSTREA VIRGINICA, MERCENARIA MERCENARIA CRASSOSTREA
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	130	OBS			
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	130	OBS			
SPECIES	BOTTOM	KEY	NAME	130	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF BENTHIC ANIMALS							VIRGINICA, MERCENARIA MERCENARIA

DATA COLLECTED: DECEMBER 1970 TO FEBRUARY 1971 RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER,YORK RIVER, RAPPAHANNOCK RIVER, VIRGINIA

ABSTRACT:
HEAVY METALS IN OYSTERS (CRASSOSTREA VIRGINICA) WERE SAMPLED AT 95 STATIONS IN THE LOWER CHESAPEAKE BAY. DATA APPEARS IN WATER RESEARCH 1973, VOL 7 PP451-460

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
DATA SHEETS FOR 95 DAILY STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
WATER RESEARCH 1973 VOL 7, 451-460

CONTACT:
ROBERT HUGGETT 703-642-2111 X83
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	95	STATIONS			
TIME	EARTH	STATION TIME	YMDL	450	STATIONS			
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION, BODY WET WEIGHT	450	OBS		BOTTOM	CRASSOSTREA VIRGINICA
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION, BODY WET WEIGHT	450	OBS		BOTTOM	CRASSOSTREA VIRGINICA
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION, BODY WET WEIGHT	450	OBS		BOTTOM	CRASSOSTREA VIRGINICA
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NAME	450	OBS		BOTTOM	CRASSOSTREA VIRGINICA

000778

HEAVY METALS IN RANGIA CUNEATA
DATA COLLECTED: SEPTEMBER 1972 TO PRESENT

RECEIVED: MAY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, RAPPAHANNOCK RIVER

ABSTRACT:
HEAVY METALS IN THE CLAM (RANGIA CUNEATA) AT 60 STATIONS FROM 1972 TO THE PRESENT IN THE JAMES AND RAPPAHANNOCK RIVERS

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
DATA SHEETS FOR 7 PARAMETERS AT 60 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL SCIENTIFIC REPORT NO 44

CONTACT:
ROBERT CROONENBERG 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730787

0148

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	RIVER MILES	60 STATIONS			
TIME	EARTH	STATION TIME	YMDL	60 STATIONS			
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	600 OBS			RANGIA CUNEATA
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	600 OBS			RANGIA CUNEATA
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	600 OBS			RANGIA CUNEATA
SIZE ANALYSIS	SEDIMENT	SETTLING/VISUAL	PERCENT SAND, SILT, CLAY	60 OBS			
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	CENTIMETERS	600 OBS			RANGIA CUNEATA
BIOMASS OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT	GRAMS	600 OBS			RANGIA CUNEATA

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NAME	60	OBS			RANGIA CUNEATA

000782

POST OIL SPILL SURVEY OF FISH
DATA COLLECTED: MAY 1971 TO JULY 1971

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LOWER YORK RIVER

ABSTRACT:
COUNT, LENGTH AND IDENTIFICATION OF FISHES AFTER OIL SPILL AT 4 STATIONS MEASURED WEEKLY FOR 3 MONTHS IN THE LOWER YORK RIVER.
A 100 FOOT HAUL SEINE WAS USED TO CAPTURE BOTH DEMERSAL AND PELAGIC FISH

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
DATA SHEETS FOR 4 STATIONS MEASURED WEEKLY FOR 9 WEEKS - 36 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:
REPORT TO BE SENT TO: NEWPORT NEWS SHIPBUILDING AND DRYDOCK COMPANY

CONTACT:
GEORGE GRANT 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

0550

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	4	STATIONS	WEEKLY		
TIME	EARTH	STATION TIME	YMDHL	36	STATIONS	WEEKLY		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	36	OBS	WEEKLY	VARIOUS	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	36	OBS	WEEKLY	VARIOUS	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	36	OBS	WEEKLY	VARIOUS	WINKLER
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER HAUL	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER HAUL	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
SPECIES	WATER	KEY	NUMBER OF	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL

000782

POST OIL SPILL SURVEY OF FISH (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF PELAGIC FISH			SPECIES PER HAUL					SEINE
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER HAUL	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
LENGTH OF DEMERSAL FISH	WATER	FORK LENGTH	MILLIMETERS	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE
LENGTH OF PELAGIC FISH	WATER	FORK LENGTH	MILLIMETERS	36	OBS	WEEKLY	VARIOUS	100 FOOT HAUL SEINE

1980

000799

EFFECTS OF THERMAL EFFLUENTS
DATA COLLECTED: APRIL 1963 TO APRIL 1964

RECEIVED: MAY 16, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LOWER YORK RIVER, VEPCO POWER PLANT

ABSTRACT:
REPORT OF THE EFFECT OF THERMAL EFFLUENTS OF THE VEPCO POWER PLANT ON PRIMARY PRODUCTIVITY AND BENTHIC ANIMALS AT 8 STATIONS IN THE LOWER YORK RIVER FOR THE 12 MONTHS FOLLOWING APRIL 1963.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
96 STATIONS IN A REPORT

FUNDING:
AEC

INVENTORY:

PUBLICATIONS:
AEC PROGRESS REPORT CONTRACT NO 40-1278% LEACHING OF RADIONUCLIDES FROM BIOSEDIMENT OF CRASSOSTREA VIRGINICA, BRANCHIDONTES RECURVUS, MOLGULA MANHATTENSIS AND BALANOIDES EBURNUS

CONTACT:
J E WARINNER 703-642-2111 X30
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

0552

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	METERS FROM SHORELINE	8	STATIONS	MONTHLY		
TIME	EARTH	STATION TIME	YMDHL	96	STATIONS	8 STN/MO		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	280	OBS	8 STN/MO	ZERO TO THREE METERS	
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER ONE-TWENTIETH SQUARE METER	280	OBS	8 STN/MO	BOTTOM	PETERSON GRAB
SPECIES DETERMINATION OF BENTHIC	BOTTOM	KEY	NUMBER OF INDIVIDUALS PER SPECIES	280	OBS	8 STN/MO	BOTTOM	PETERSON GRAB

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS PHOTOSYNTHETIC RATE	WATER	CARBON-14 UPTAKE	MILLIGRAMS CARBON FIXED PER CUBIC METER	280	OBS	8 STN/MO	ZERO TO THREE METERS	INCUBATIONS AT AMBIENT AND INCREASED TEMPERATURE
PHOTOSYNTHETIC RATE	WATER	OXYGEN DETERMINATION	MILLIGRAMS CARBON FIXED PER CUBIC METER	280	OBS	8 STN/MO	ZERO TO THREE METERS	INCUBATIONS AT AMBIENT AND INCREASED TEMPERATURE

DATA COLLECTED: MAY 1968 TO PRESENT RECEIVED: MAY 01, 1976

PROJECTS:
ANADROMOUS FISHERIES SURVEY

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, YORK RIVER, RAPPAHANNOCK RIVER

ABSTRACT:
MORTALITY RATES AND MIGRATION PATTERNS OF CHESAPEAKE BAY STRIPED BASS (MORONE SAXATILIS) HAVE BEEN STUDIED ANNUALLY BY TAGGING, BEGINNING IN 1968 AND CONTINUING TO THE PRESENT. THE DATA ARE AVAILABLE IN THE FORM OF PUNCHED CARDS FROM VIMS. REPORTS ON THE RESULTS OF THE STUDY HAVE BEEN SENT TO THE U.S.BUREAU OF SPORT FISHERIES AND WILDLIFE, AND TO THE VIMS LIBRARY. (DATA USED FOR MORTALITY RATES AND EXPLOITATION BY GEAR TYPES)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
PUNCHED CARDS
MORE THAN 35000 OBS

FUNDING:

INVENTORY:

PUBLICATIONS:
REPORTS TO U.S.DEPT OF INTERIOR, BUREAU OF SPORT FISHERIES AND WILDLIFE AND VIMS LIBRARY

CONTACT:
JOHN V MERRINER 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	17500	OBS			NO SET STATIONS OCCUPIED, POSITION OF TAGGING AND TIME OF TAGGING AVAILABLE IN REPORT
TIME	EARTH	SAMPLING TIME	YMDHML	17500	OBS			NO SET STATIONS OCCUPIED, POSITION OF TAGGING AND

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
LENGTH OF DEMERSAL FISH	WATER	FORK LENGTH	MILLIMETERS	17500	OBS			TIME OF TAGGING AVAILABLE IN REPORT MORONE SAXATILIS , AT TIME OF TAGGING
AGE DATING OF DEMERSAL FISH	WATER	SCALES	YEAR CLASS	17500	OBS			MORONE SAXATILIS , AT TIME OF TAGGING
MORTALITY OF DEMERSAL FISH	WATER	TAGGING STUDIES	PERCENT PER YEAR	6	OBS	YEARLY		MORONE SAXATILIS
MIGRATION STUDY OF DEMERSAL FISH	WATER	TAGGING STUDIES	TAG RETURN DATA	6	OBS	YEARLY		MORONE SAXATILIS

AGE AND GROWTH OF WHITE MULLET, MUGIL CUREMA
DATA COLLECTED: JULY 1965 TO OCTOBER 1966
RECEIVED: JANUARY 01, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, SEASIDE EASTERN SHORE

ABSTRACT:
AGE AND GROWTH STUDIES OF THE WHITE MULLET(MUGIL CUREMA) WERE TAKEN FROM FISH IN THE SEASIDE EASTERN SHORE OF THE LOWER CHESAPEAKE BAY FOR 16 MONTHS USING BEACH SEINES. LENGTH-WEIGHT REGRESSIONS WERE COMPUTED AND JUVENILES WERE CHECKED FOR PREDATOR DAMAGE.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
DATA SHEETS FOR PARAMETERS AT 16 STATIONS FOR 16 MONTHS

FUNDING:

INVENTORY:

PUBLICATIONS:
IN PRESS: DISTRIBUTION, GROWTH AND PRODUCTION OF JUVENILE WHITE MULLETT (M. CUREMA) IN OCEANSIDE WATERS OF VIRGINIA'S EASTERN SHORE, M. CASTAGNA, CO-AUTHOR.

CONTACT:
C E RICHARDS 703-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	16	STATIONS			
TIME	EARTH	STATION TIME	YMDL	480	STATIONS			
LENGTH OF DEMERSAL FISH	WATER	FORK LENGTH	MILLIMETERS	500	OBS			JUVENILES, BEACH SEINE, LENGTH-WEIGHT REGRESSIONS COMPUTED
WEIGHT OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS	25	OBS			JUVENILES, BEACH SEINE, LENGTH-WEIGHT REGRESSIONS COMPUTED
AGE DATING OF	WATER	SCALES	AGE IN YEARS	15	OBS			OBSERVATION FOR

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DEMERSAL FISH							PREDATOR DAMAGE ON JUVENILES

000874

SURVEY OF DEAD ORGANISMS ON CHESAPEAKE BAY BEACHES
DATA COLLECTED: SEPTEMBER 1968 TO PRESENT

RECEIVED: JUNE 04, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, KENWOOD BEACH TO ROCKY POINT

ABSTRACT:
SURVEY OF DEAD ORGANISMS ON CHESAPEAKE BAY BEACHES FROM KENWOOD BEACH TO ROCKY POINT, MARYLAND SINCE SEPTEMBER, 1968. STUDY INCLUDED SPECIES DETERMINATIONS AND COUNTS OF PELAGIC AND DEMERSAL FISH IN FOUR AREAS DURING MONTHLY SAMPLING. (DATA INCLUDES NOTES ON ALL DEAD ORGANISMS FOUND)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
4 STATIONS MEASURED MONTHLY FOR 30 MONTHS.

FUNDING:

INVENTORY:

PUBLICATIONS:
REPORT TO ACADEMY OF NATURAL SCIENCE OF PHILADELPHIA

CONTACT:
DENNIS BURTON 301-274-3194
BENEDICT ESTUARINE LABORATORY
BENEDICT MARYLAND USA 20612

GRID LOCATOR (LAT):
730786

0538

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	4	STATIONS	MONTHLY		
TIME	EARTH	STATION TIME	YMDL	120	STATIONS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES PER 100 YARDS	120	OBS	MONTHLY		DEAD ORGANISMS FOUND ON BEACH
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER 100 YARDS	120	OBS	MONTHLY		DEAD ORGANISMS FOUND ON BEACH
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER 100 YARDS	120	OBS	MONTHLY		DEAD ORGANISMS FOUND ON BEACH
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER 100 YARDS	120	OBS	MONTHLY		DEAD ORGANISMS FOUND ON BEACH

001011 ASSESSMENT OF THE EFFECTS OF TROPICAL STORM AGNES ON BENTHIC COMMUNITIES IN THE JAMES AND YORK RIVERS

DATA COLLECTED: SEPTEMBER 1972 TO OCTOBER 1972 RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, YORK RIVER

ABSTRACT:
TROPICAL STORM AGNES EFFECTS ON BENTHIC COMMUNITIES IN JAMES AND YORK RIVERS, VIRGINIA. ABIOTIC AND BIOTIC MEASUREMENTS TAKEN.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
900 OBSERVATIONS MADE

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DONALD BOESCH 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	50	STATIONS			
TIME	EARTH	STATION TIME	YMDL	50	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	150	OBS		BOTTOM	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	150	OBS		BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	150	OBS		BOTTOM	WINKLER
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE	150	OBS		BOTTOM	THREE REPLICATES AT EACH STATION
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS	150	OBS		BOTTOM	THREE REPLICATES AT EACH STATION

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIVERSITY INDEX OF BENTHIC ANIMALS	BOTTOM	SHANNON-WEAVER	PER SPECIES NUMBERS	150	OBS		BOTTOM	SPECIES RICHNESS, SPECIES EVENNESS, COMPUTER ORDINATION AND CLASSIFICATION

001014

THE EFFECTS OF THERMAL LOADING BY THE BREMO POWER STATION ON A PIEDMONT SECTION OF THE JAMES RIVER

DATA COLLECTED: JULY 1971 TO JUNE 1973

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, BREMO BLUFF TO COLUMBIA

ABSTRACT:
PIEDMONT SECTION OF JAMES RIVER, VIRGINIA STUDIED FOR EFFECTS OF THERMAL LOADING BY POWER STATION-INCLUDES PERIOD OF HURRICANE AGNES. ABIOTIC AND BIOTIC MESSUREMENTS MADE.
(DATA INCLUDES PERIOD OF HURRICANE AGNES; COLLECTIONS KEPT AT VA INST OF SCI RESEARCH)

DATA AVAILABILITY:
WITH APPROVAL REPORTS SENT TO OFFICE OF WATER RESEARCH, VIRGINIA ELECTRIC AND POWER COMPANY

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
25 PARAMETERS MEASURED OVER 24 MONTHS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
WILLIAM S WOOLCOTT 703-282-9581
VIRGINIA INSTITUTE FOR SCIENTIFIC RESEARCH
RICHMOND VIRGINIA USA 23229

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS	60 TIMES PER YEAR		
TIME	EARTH	SAMPLING TIME	YMDHL	21600	STATIONS	60 TIMES PER YEAR		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	21600	OBS	60 TIMES PER YEAR	SURFACE	TEMPERATURE PROFILES TAKEN 6 TIMES PER YEAR
PH	WATER	SPECIFIC ION ELECTRODE	UNITS	21600	OBS	60 TIMES PER YEAR	SURFACE	
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MILLIGRAMS PER LITER	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	WINKLER TITRATION CHECK

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
AMMONIA	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
NITRATE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
NITRITE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
PHOSPHORUS	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
ORTHOPHOSPHATE	WATER	SPECTROPHOTOMETRY	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE	151200	OBS	60 TIMES PER YEAR	BOTTOM	108000 SHORE BENTHOS COLLECTED USING MODIFIED TONGS, ARTIFICIAL SUBSTRATE USED TO COLLECT 43,200 ORGANISMS SUSPENDED 1 FT. OFF BOTTOM
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES PER SAMPLE	151200	OBS	60 TIMES PER YEAR	BOTTOM	108000 SHORE BENTHOS COLLECTED USING MODIFIED TONGS, ARTIFICIAL SUBSTRATE USED TO COLLECT 43,200 ORGANISMS SUSPENDED 1 FT. OFF BOTTOM
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER STATION	540	OBS	18 TIMES PER YEAR		220V 1 1/2 TO 3 AMP ELECTRIC SHOCK. 100 TO 250 YARDS PER STATION
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER STATION, NUMBER OF INDIVIDUAL SPECIES PER STATION	540	OBS	18 TIMES PER YEAR		220V 1 1/2 TO 3 AMP ELECTRIC SHOCK. 100 TO 250 YARDS PER STATION
BIOMASS OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS, SPECIES PER STATION	540	OBS	18 TIMES PER YEAR		
LENGTH OF DEMERSAL FISH	WATER	STANDARD LENGTH	MILLIMETERS	540	OBS	18 TIMES PER YEAR		LENGTH RANGE RECORDED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIVERSITY INDEX OF DEMERSAL FISH	WATER	SHANNON-WEAVER	NUMBERS	540	OBS	18 TIMES PER YEAR		
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH	WATER	VISUAL	PERCENTAGE OF SPECIES INGESTED PER FISH SPECIES	540	OBS	18 TIMES PER YEAR		
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF SPECIES PER STATION	540	OBS	18 TIMES PER YEAR		ESTIMATES AS TO QUANTITY. SAMPLES COLLECTED ON SHORE
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY	NUMBER OF SPECIES PER SLIDE	180	OBS	6 TIMES PER YEAR		SAMPLES COLLECTED ON GLASS SLIDES SET IN RIVER
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SLIDE	180	OBS	6 TIMES PER YEAR		SAMPLES COLLECTED ON GLASS SLIDES SET IN RIVER
PARTICULATE MATTER	WATER	MEMBRANE FILTRATION	PARTS PER MILLION	21600	OBS	60 TIMES PER YEAR	SUB-SURFACE	

001018

BENTHIC MACROINVERTEBRATE COMMUNITIES AS INDICATORS OF POLLUTION IN THE ELIZABETH RIVER, HAMPTON ROADS, VIRGINIA

DATA COLLECTED: JANUARY 1969 TO AUGUST 1969

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, ELIZABETH RIVER

ABSTRACT:
STUDY OF BENTHIC MACROINVERTEBRATE COMMUNITIES OF ELIZABETH RIVER, HAMPTON ROADS, VIRGINIA AS INDICATORS OF POLLUTION. BIOLOGICAL INDEX OF DOMINANCE, DENSITY FREQUENCY, DISPERSAL, DOMINANCE AFFINITY COMPUTED.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
12 STATIONS; 36 SAMPLES AND MEASUREMENTS TAKEN

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS 1971, M D RICHARDSON

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	12	STATIONS			
TIME	EARTH	STATION TIME	YMDL	36	STATIONS			
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	12	OBS		BOTTOM	
SIZE ANALYSIS	SEDIMENT	SETTLING/VISUAL	PERCENT SILT, CLAY SAND	36	OBS		BOTTOM	SAMPLES OBTAINED WITH A 0.06 M SQ PETERSON GRAB AND A 0.07 M SQ VAN VEEN GRAB
DEPTH	WATER	WIRE LENGTH	METERS	36	OBS			
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS	36	OBS		BOTTOM	SAMPLES OBTAINED WITH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS			PER M SQ PER STATION PER SAMPLING PERIOD					A 0.06 M SQ PETERSON GRAB AND A 0.07 M SQ VAN VEEN GRAB
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER STATION, NUMBER OF INDIVIDUALS PER SPECIES PER SAMPLING PERIOD	36	OBS		BOTTOM	BIOLOGICAL INDEX OF DOMINANCE, DENSITY, FREQUENCY, DISPERSAL, DOMINANCE AFFINITY COMPUTED
DIVERSITY INDEX OF BENTHIC ANIMALS	BOTTOM	SHANNON-WEAVER	NUMBERS	36	OBS		BOTTOM	

001025

SOME HYDROGRAPHIC CONDITIONS FOUND IN WINTER IN LOWER CHESAPEAKE BAY AND THEIR POSSIBLE EFFECTS ON BLUE CRAB (CALLINECTES SAPIDUS RATHBUN) POPULATION
DATA COLLECTED: NOVEMBER 1948 TO MARCH 1949

RECEIVED: JULY 13, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
GENERAL ACCOUNT OF HYDROGRAPHIC DATA AND COMMERCIAL CRAB DREDGE FISHERY IN LOWER CHESAPEAKE BAY IN THE WINTER OF 1948-1949.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
56 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, 1950, J S MACGREGOR

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775 730766 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION, LONGITUDE AND LATITUDE	12	STATIONS			
TIME	EARTH	STATION TIME	YMDL	42	OBS			NOT ALL 12 STATIONS OCCUPIED ON THE 7 SAMPLING DATES
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG F	55	OBS		SURFACE TO BOTTOM	DIAGRAMS OF TEMPERATURE PROFILES
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	84	OBS		SURFACE AND BOTTOM	NOT ALL 12 STATIONS OCCUPIED ON THE 7 SAMPLING

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DISSOLVED OXYGEN GAS	WATER	TITRATION	MG PER LITER	55 OBS		BOTTOM	DATES NOT ALL 12 STATIONS OCCUPIED ON THE 7 SAMPLING DATES
COMMERCIAL FISHERIES ACTIVITIES	WATER	VISUAL	NUMBER OF BOATS PER LOCATION	12 STATIONS			COUNT AND LOCATION OF CRAB DREDGE BOATS IN THE WINTER OF 1948-1949

001026 GROWTH AND REPRODUCTION OF EUPLEURA CAUDATA (SAY) IN THE YORK RIVER, VIRGINIA PAGE 01
DATA COLLECTED: NOVEMBER 1956 TO MAY 1957 RECEIVED: JULY 13, 1973

PROJECTS:
FIXED STATION

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, YORK RIVER, GLOUCESTER POINT, VIRGINIA

ABSTRACT:
A DETAILED ACCOUNT OF THE BIOLOGY, GROWTH AND REPRODUCTION OF THE OYSTER DRILL. REPORT INCLUDES DATA ON SEXUAL MATURITY, SEX REVERSAL, COPULATION, SPAWNING PERIOD AND A DETAILED DESCRIPTION OF EGG CASES AND EMBRYOS

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
84 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, 1958, C L MACKENZIE

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			VA INST MAR SCI PIER
TIME	EARTH	STATION TIME	YMDL	1	STATIONS			
AGE DATING OF BENTHIC ANIMALS	BOTTOM	MORPHOLOGICAL CHARACTERISTICS	AGE GROUP	2000	OBS			EUPLEURA CAUDATA
SEX DETERMINATION OF BENTHIC ANIMALS	BOTTOM	VISUAL	RATIO	2000	OBS			EUPLEURA CAUDATA
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	MILLIMETERS	4000	OBS			EUPLEURA CAUDATA

001041 DISTRIBUTION OF THE FUNGUS LAGENIDIUM CALLENECTES COUCH AND ITS EFFECT ON THE EGGS OF THE BLUE CRAB

DATA COLLECTED: MAY 1944 TO AUGUST 1944 RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, HAMPTON, SEAFORD

ABSTRACT:
OCCURRENCE AND DISTRIBUTION OF THE PARASITIC FUNGUS, LAGENIDIUM CALLINECTES, ON THE EGG MASS OF FEMALE BLUE CRABS DURING THE SUMMER OF 1944 IN THE LYNN HAVEN AREA OF CHESAPEAKE BAY

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
31 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
THE FUNGUS LAGENIDIUM CALLINECTES COUCH (1942) ON EGGS OF THE BLUE CRAB IN CHES BAY, BIOL BULL 95 (2): 214-228, VIMS THESIS, 1945, M R ROGERS

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			HAMPTON ROADS AREA CONSIDERED AS ONE STATION
TIME	EARTH	STATION TIME	YMDG	12	STATIONS			
COUNT OF PARASITES	WATER	VISUAL	PERCENT OF OCCURRENCE, DEGREE OF INFECTION	1115	OBS			FUNGUS, LAGENIDIUM CALLINECTES ON EGGS OF THE BLUE CRAB CALLINECTES SAPIDUS
SPECIES	WATER	KEY	NAME	1115	OBS			LAGENIDIUM

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF PARASITES							CALLINECTES

001051

ASPECTS OF THE ECOLOGY, LIFE HISTORY, AND HOST-PARASITE RELATIONSHIP OF LOXOTHYLACUS (SACCULINIDAE) IN CHESAPEAKE BAY
DATA COLLECTED: JANUARY 1967 TO NOVEMBER 1968

RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, POTOMAC RIVER, RAPPAHANNOCK RIVER, YORK RIVER, PAMUNKEY RIVER, JAMES RIVER

ABSTRACT:
SURVEY ON THE DISTRIBUTION AND BIOLOGY OF THE SACCULINID PARASITE, LOXOTHYLACUS PANOPAEI, INFECTING THE XANTHID CRABS OF THE CHESAPEAKE BAY REGION. PHOTOGRAPHIC PLATES AND HYDROGRAPHIC DATA INCLUDED.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
68 PAGES, 62 STATIONS, 98 SAMPLING EFFORTS

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, S J DAUGHERTY, 1969

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730766 730775 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION, LONGITUDE AND LATITUDE	62	STATIONS			
TIME	EARTH	STATION TIME	YMDL	98	STATIONS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	98	OBS		SURFACE	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	98	OBS		SURFACE	
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE	98	OBS			XANTHID CRABS COLLECTED BY VARIOUS MEANS, EACH OBS IS A SAMPLING

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF INDIVIDUALS PER SPECIES PER SAMPLE	98	OBS			EFFORT XANTHID CRABS COLLECTED BY VARIOUS MEANS, EACH OBS IS A SAMPLING EFFORT
SEX DETERMINATIO N OF BENTHIC ANIMALS	BOTTOM	VISUAL	RATIO	98	OBS			XANTHID CRABS COLLECTED BY VARIOUS MEANS, EACH OBS IS A SAMPLING EFFORT
SPECIES DETERMINATION OF PARASITES	WATER	KEY	INCIDENCE OF INFECTION	98	OBS			SACCULINID, LOXOTHYLACUS PANOPAEI, A RHIZOCEPHALAN PARASITE OF SEVERAL SPECIES OF XANTHID CRABS

220

001052

MONOGENETIC TREMATODES FROM SOME CHESAPEAKE BAY FISHES
DATA COLLECTED: JUNE 1957 TO OCTOBER 1958

RECEIVED: JULY 20, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, CAPE HENRY, LYN HAVEN INLET, OCEAN VIEW, YORK RIVER, VIRGINIA

ABSTRACT:
SURVEY OF MONOGENETIC TREMATODE INFECTION ON FISH FROM THE CHESAPEAKE BAY REGION. TEXT INCLUDES DISCUSSION OF TAXONOMIC PROBLEMS

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
92 PAGES, APPENDIX INCLUDES PHOTOGRAPHIC PLATES OF SELECTED TREMATODES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, 1959, MCMAHON

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			GENERAL AREA OF CHESAPEAKE BAY CONSIDERED AS ONE STATION
TIME	EARTH	STATION TIME	YL	1	STATIONS,			
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NAME	12	OBS			SPECIES OF FISH FOUND TO BE INFECTED WITH PARASITES
COUNT OF PARASITES	WATER	VISUAL	NUMBER OF PARASITES PER FISH, INCIDENCE OF INFECTION	180	OBS			MONOGENETIC TREMATODES, EACH OBS IS A FISH EXAMINED
SPECIES DETERMINATION	WATER	KEY	NUMBER OF SPECIES PER	180	OBS			20 SPECIES, MONOGENETIC

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD		UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF PARASITES				HOST, NUMBER OF INDIVIDUALS PER SPECIES PER HOST				TREMATOES, EACH OBS IS A FISH EXAMINED

OBSERVATIONS ON THE WINTER TRAWL FISHERY FOR SUMMER FLOUNDER, PARALICHTHYS DENTATUS

DATA COLLECTED: OCTOBER 1961 TO APRIL 1962

RECEIVED: JULY 20, 1973

PROJECT:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, HAMPTON ROADS

ABSTRACT:
DATA ON THE SIZE COMPOSITION OF THE MARKETABLE FLOUNDER, PARALICHTHYS DENTATUS, LANDED AT HAMPTON VA. DETAILED RECORDS ON LANDINGS FROM 1957 INCLUDED IN REPORT. COMMENTS ON THE EFFECTS OF THE FISHERY ON THE FISH STOCK ARE INCLUDED. AGE AND GROWTH ANALYSIS AND AGE COMPOSITION OF CATCH DISCUSSED.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
58 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, ELDRIDGE, 1962

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LONGITUDE AND LATITUDE	1	STATIONS			GENERAL LOCATION OF FISHERY CONSIDERED AS ONE STATION
TIME	EARTH	STATION TIME	YML	100	STATIONS			EACH STATION IS A SAMPLING PERIOD; NUMBER IS APPROXIMATE
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MILLIMETERS	5258	OBS			SUMMER FLOUNDER, PARALICHTHYS DENTATUS, SAMPLES FROM

001056 OBSERVATIONS ON THE WINTER TRAWL FISHERY FOR SUMMER FLOUNDER, PARALICHTHYS DENTATUS (CONT.) PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
WEIGHT OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS	5258	OBS			COMMERCIAL CATCH LANDED IN HAMPTON VA
SEX DETERMINATION OF DEMERSAL FISH	WATER	VISUAL	RATIO	359	OBS			LENGTH WEIGHT REGRESSIONS COMPUTED, PARALICHTHYS DENTATUS SUMMER FLOUNDER, PARALICHTHYS DENTATUS, SAMPLES FROM COMMERCIAL CATCH LANDED IN HAMPTON VA
BIOLOGICAL CONDITION OF DEMERSAL FISH	WATER	VISUAL	NONE	359	OBS			GROSS OBS ON CONDITION OF GONADS, PARALICHTHYS DENTATUS SUMMER FLOUNDER, PARALICHTHYS DENTATUS, SAMPLES FROM COMMERCIAL CATCH LANDED IN HAMPTON VA
AGE DATING OF DEMERSAL FISH	WATER	OTOLITHS	YEAR CLASS	359	OBS			

920

DATA COLLECTED: JULY 1961 TO APRIL 1963 RECEIVED: JULY 31, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
QUANTITATIVE ANALYSIS AND SURVEY OF THE BENTHIC FAUNA IN LOWER CHESAPEAKE BAY IN THE AREA OF A DREDGING AND DUMPING OPERATION BY THE U S ARMY, CORPS OF ENGINEERS. EMPHASIS ON ANIMAL-SEDIMENT TYPE RELATIONSHIPS.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
40 PAGES; 349 SEDIMENT SAMPLES FROM 305 STATIONS PROCESSED.

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, R B STONE, 1963

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	305	STATIONS			
TIME	EARTH	STATION TIME	YML	4	STATIONS			FOUR SAMPLING PERIODS
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT SAND, SILT, CLAY	349	OBS			
SIZE ANALYSIS	SEDIMENT	SETTLING/VISUAL	PERCENT SAND, SILT, CLAY	349	OBS			
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE, PER STATION	349	STATIONS			PETERSON GRAB, 0.067 CU METER
SPECIES DETERMINATION OF BENTHIC	BOTTOM	KEY	NUMBER OF INDIVIDUALS PER SPECIES,	349	STATIONS			PETERSON GRAB, 0.067 CU METER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS			NUMBER OF SPECIES PER STATION				
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	VARIABLE	4	OBS		INDEX OF SPECIES FREQUENCY, SPECIE ASSOCIATION WITH SEDIMENT GRAIN SIZE AND SEASONAL DISTRIBUTION COMPUTED FOR THE FOUR SAMPLING PERIODS

078

001176

HAMPTON ROADS, CRANEY ISLAND SURVEY
DATA COLLECTED: NOVEMBER 1972 TO OCTOBER 1973

RECEIVED: AUGUST 08, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, CRANEY ISLAND, BUCKROE BEACH

ABSTRACT:
COMPARATIVE STUDY OF BIOTIC AND ABIOTIC PARAMETERS OF CRANEY ISLAND AND BUCKROE BEACH AREAS. SURVEY OF FISH, INVERTEBRATES AND HEAVY METALS

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
120 SAMPLING EFFORTS

FUNDING:
US ARMY CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:
REPORT SENT TO U S ARMY CORPS OF ENGINEERS

CONTACT:
RAY BIRDSONG 804-489-8000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			
TIME	EARTH	STATION TIME	YMDHL	12	STATIONS	MONTHLY		
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	120	OBS	MONTHLY	SURFACE	
SALINITY	WATER	HYDROMETER	PARTS PER THOUSAND	120	OBS	MONTHLY	SURFACE	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	120	OBS	MONTHLY	SURFACE	
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES	120	OBS	MONTHLY	SURFACE	10 FOOT OTTER TRAWL, 1 INCH MESH, BEACH SEINE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER STATION	120	OBS	MONTHLY	SURFACE	
BIOMASS OF DEMERSAL FISH	WATER	WET WEIGHT	WEIGHT PER STATION	120	OBS	MONTHLY	SURFACE	10 FOOT OTTER TRAWL, 1 INCH MESH, BEACH SEINE
LENGTH OF DEMERSAL FISH	WATER	STANDARD LENGTH	MILLIMETERS	120	OBS	MONTHLY	SURFACE	SUBSAMPLE FROM EACH TRAWL
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES	120	OBS	MONTHLY	BOTTOM	BAG DREDGE, OTTER TRAWL, PETERSON GRAB
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER STATION	120	OBS	MONTHLY	BOTTOM	
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	4	OBS			VARIETY OF SPECIES OF FISH, 4 SAMPLES PER YEAR
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	4	OBS			VARIETY OF SPECIES OF FISH, 4 SAMPLES PER YEAR
LEAD IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	4	OBS			VARIETY OF SPECIES OF FISH, 4 SAMPLES PER YEAR
MERCURY IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	4	OBS			VARIETY OF SPECIES OF FISH, 4 SAMPLES PER YEAR

080

DATA COLLECTED: JUNE 1972 TO PRESENT

RECEIVED: AUGUST 08, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, LOWER CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER, VA. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR CONTRACTORS AND LAND DEVELOPERS

DATA AVAILABILITY:
ON APPROVAL FROM CONTRACTOR

PLATFORM TYPES:

ARCHIVE MEDIA:
DATA SHEETS
200 STATIONS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-6000
OLD DOMINION UNIVERSITY
INSTITUTE OF OCEANOGRAPHY
NORFOLK VIRGINIA USA 23508

GRID LOCATOR (LAT):
730776 730775 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	200	STATIONS			
TIME	EARTH	STATION TIME	YMDL	200	STATIONS			
SPECIES DETERMINATION OF BENTHIC PLANTS	LAND	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200	OBS			MARSH PLANTS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF INDIVIDUALS PER SPECIES	200	OBS			
COUNT OF BENTHIC PLANTS	LAND	VISUAL	NUMBER PER ACRE	200	OBS			
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER PER ACRE	200	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS								
BIOMASS OF BENTHIC PLANTS	LAND	DRY WEIGHT	POUNDS PER ACRE	200	QBS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	POUNDS PER ACRE	200	QBS			
SALINITY	WATER	HYDROMETER	PARTS PER THOUSAND	14	QBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	14	QBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	14	QBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	14	QBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
COUNT OF MICROORGA	WATER	VISUAL	CULTURE GROWTH (MPN)	14	QBS		SURFACE AND BOTTOM	COLIFORM, LYNNHAVEN AREA
ENVIRONMENTALS	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	QBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
NITRATE	WATER	SPECTROPHOTOMETRY	MILLIGRAMS PER LITER	14	QBS		SURFACE AND BOTTOM	LYNNHAVEN AREA
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	FEET	14	QBS			LYNNHAVEN AREA
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT COMPOSITION	7	QBS		BOTTOM	LYNNHAVEN AREA

091322 EFFECT OF PREDATION ON INFAUNA IN LOWER YORK RIVER
DATA COLLECTED: AUGUST 1973 TO PRESENT

RECEIVED: JANUARY 01, 1979

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, LOWER YORK RIVER

ABSTRACT:
STUDY OF EFFECT OF PREDATION ON INFAUNA IN THE LOWER YORK RIVER. SAMPLES THREE AREAS: OPEN; NO PREDATORS; WITH PREDATORS; OBJECTIVE INFLUENCES OF PREDATION BY BLUE CRAB AND OTHER PREDATORS ON COMMUNITY STRUCTURE OF BENTHIC ANIMALS

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
4 PARAMETERS OBSERVED 3 TIMES PER SEASON

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
R VIRNSTEIN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
736776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	STATION TIME,	YMDL	1	STATIONS			
DIVERSITY INDEX OF BENTHIC ANIMALS	BOTTOM	SHANNON-WEAVER	NUMBERS	3	OBS	THREE TIMES PER SEASON	BOTTOM	SEDIMENT CORE: 2 CM DIAMETER, 8 CM LONG; 9-10 CORES AT EACH SAMPLING STATION
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	NUMBERS	3	OBS	THREE TIMES PER SEASON	BOTTOM	INDEX OF DOMINANCE, INDEX OF SIMILARITY
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS	3	OBS	THREE TIMES PER SEASON	BOTTOM	SEDIMENT CORE: 2 CM DIAMETER, 8 CM LONG; 9-10 CORES AT

1983

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
			PER SPECIES					EACH SAMPLING STATION
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE	3	OBS	THREE TIMES PER SEASON	BOTTOM	SEDIMENT CORE: 3 CM DIAMETER, 5 CM LONG; 5-10 CORES AT EACH SAMPLING STATION

691320 THE ROLE OF AN ANADROMOUS FISH, THE ALEWIFE, ALOSA PSEUDOHARENGUS (WILSON) IN PESTICIDE TRANSPORT

DATA COLLECTED: APRIL 1970 TO JUNE 1970

RECEIVED: AUGUST 27, 1973

PROJECTS:
ANADROMOUS ALOSIDS

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, JAMES RIVER, RAPPAHANNOCK RIVER, POTOMAC RIVER

ABSTRACT:
SURVEY OF THE LEVEL OF CONTAMINATION DUE TO DDT AND ITS METABOLITES IN THE ALEWIFE, ALOSA PSEUDOHARENGUS AND A DESCRIPTION OF THE ROLE OF THE ANADROMOUS FISH IN PESTICIDE TRANSPORT

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
34 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, T A BARNARD JR 1971

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730766 730776 730786

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	3 STATIONS			JAMES, RAPPAHANNOCK AND POTOMAC RIVERS CONSIDERED AS ONE STATION EACH
TIME	EARTH	STATION TIME	YMDL	1 STATIONS			SPAWNING RUN FROM 15 APR TO 15 JUNE, 1970
LENGTH OF PELAGIC FISH	WATER	FORK LENGTH	MILLIMETERS	96 OBS			ALEWIFE, ALOSA PSEUDOHARENGUS
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	GRAMS	96 OBS			ALEWIFE, ALOSA PSEUDOHARENGUS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DDT IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	96 OBS			TOTAL DDT RESIDUES; DDE, DDD AND DDT; WHOLE FISH; ALEWIFE, ALOSA PSEUDOHARENGUS

THE ECOLOGICAL SIGNIFICANCE OF A CTENOPHORE, MNEMIOPSIS LEIDYI (A AGASSIZ) IN A FISH NURSERY GROUND

DATA COLLECTED: AUGUST 1966 TO DECEMBER 1966

RECEIVED: AUGUST 27, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, YORK RIVER, PAMUNKEY RIVER

ABSTRACT:
SURVEY OF DISTRIBUTION, BIOLOGY AND FEEDING HABITS OF TWO CTENOPHORE, MNEMIOPSIS LEIDYI AND BERGE OVATA IN THE YORK RIVER AND CHESAPEAKE BAY. NUMBERS OF ZOOPLANKTON VARIED INVERSELY WITH THE VOLUME OF CTENOPHORES PRESENT AT EACH SAMPLING SITE. STOMODAEUM ANALYSIS CONFIRMED M LEIDYI AS A PREDATOR OF ZOOPLANKTERS

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
62 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS V BURRELL JR 1968 A MEANS OF COPING WITH MNEMIOPSIS LEIDYI IN PLANKTON SAMPLES, CHESAPEAKE SCI 11 (2): 139

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730770

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM, MAP LOCATION	11	STATIONS			
TIME	EARTH	STATION TIME	YML	115	STATIONS	11 STATIONS SAMPLED MONTHLY		
COUNT OF PELAGIC ANIMALS	WATER	VISUAL	NUMBER OF INDIVIDUALS PER STATION PER MONTH	115	OBS	11 STATIONS SAMPLED MONTHLY		CTENOPHORA, BERGE OVATA, MNEMIOPSIS LEIDYI
VOLUME DETERMINATION OF PELAGIC ANIMALS	WATER	SETTLING	LITERS PER TOW PE STATION PER MONTH	115	OBS	11 STATIONS SAMPLED MONTHLY	1 METER ABOVE BOTTOM	CTENOPHORA, BERGE OVATA, MNEMIOPSIS LEIDYI; METER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								MET 0.75 MM MESH
COUNT OF ZOOPLANKTON	WATER	FIXED, UNSTAINED, ALIQUOT	NUMBER OF INDIVIDUALS PER STATION, PER MONTH PER SPECIES	115	OBS	11 STATIONS SAMPLED MONTHLY	1 METER ABOVE BOTTOM	METER NET 0.75 MM MESH
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER OF SPECIES PER STATION PER MONTH	115	OBS	11 STATIONS SAMPLED MONTHLY	1 METER ABOVE BOTTOM	METER NET 0.75 MM MESH
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	115	OBS	11 STATIONS SAMPLED MONTHLY	BOTTOM	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	115	OBS	11 STATIONS SAMPLED MONTHLY	BOTTOM	
DISSOLVED OXYGEN GAS	WATER	T/TRATION	MG PER LITER	115	OBS	11 STATIONS SAMPLED MONTHLY	BOTTOM	
STOMACH CONTENT OF PELAGIC ANIMALS	WATER	VISUAL	PERCENT COMPOSITION	3300	OBS	11 STATIONS SAMPLED MONTHLY	BOTTOM	CTENOPHORA, BERDE DYATA, MNEMIOPSIS LEIDYI; METER NET 0.75 MM MESH

[illegible]

ECOLOGICAL AND EPIDEMIOLOGICAL STUDIES OF NEMATOPSIS OSTREARUM A SPOROZOAN PARASITE OF THE OYSTER, CRASSOSTREA VIRGINICA IN LOWER CHESAPEAKE BAY AND ITS TRIBUTARIES

PAGE [illegible]

DATA COLLECTED: MAY [illegible] TO DECEMBER [illegible]

RECEIVED: AUGUST [illegible], [illegible]

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA, RAPPAHANNOCK RIVER, YORK RIVER, JAMES RIVER

ABSTRACT:
STUDIES ON THE INCIDENCE OF INFECTION BY THE SPOROZOAN PARSITE, NEMATOPSIS SP., IN OYSTERS AND IN SEVERAL OTHER MOLLUSCS AND CRUSTACEANS. REPORT INCLUDES COMMENTS ON THE ANATOMICAL LOCATION OF INFECTIONS, THE BIOLOGY OF THE PARASITE AND TECHNIQUES USED IN THE EXAMINATION

DATA AVAILABILITY:

PLATFORM TYPES:

ARCHIVE MEDIA:
REPORTS
[illegible] PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
VIMS THESIS, S Y PENG, 1967

CONTACT:
LIBRARIAN [illegible]
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA [illegible]

GRID LOCATOR (LAT):
[illegible]

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	8	STATIONS			
TIME	EARTH	STATION TIME	YMDL	23	STATIONS			
COUNT OF PARASITES	WATER	VISUAL	MEAN NUMBER OF CYSTS PER 50 MM OF TISSUE, PERCENT INCIDENCE OF INFECTION	[illegible]	CDS			[illegible] CDS OF SPOROZOAN PARASITE, NEMATOPSIS SP. IN OYSTERS, CRASSOSTREA VIRGINICA, [illegible] CDS OF 10 SPECIES OF MOLLUSCS EXAMINED FOR

080

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							HEMATOPSIS SP. A SPOROZOAN, 274 OUT OF 10 SPECIES OF CRUSTACEANS EXAMINED FOR INFECTION BY HEMATOPSIS SP

060

001200

A STUDY OF THE EFFECTS OF DREDGING AND DREDGE SPOIL DISPOSAL ON THE MARINE ENVIRONMENT

DATA COLLECTED: JUNE 1961 TO APRIL 1963

PAGE 01

RECEIVED: AUGUST 27, 1973

PROJECTS:

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, VIRGINIA

ABSTRACT:
INTENSIVE SURVEY OF SEDIMENTS AND BENTHIC ANIMALS IN THE AREA OF THE RAPPAHANNOCK SHOAL AND SOIL DISPOSAL LOCATION IN CHESAPEAKE BAY. SOME LIMITED SAMPLING IN YORK SPIT CHANNEL. SEDIMENT ANALYSIS IS COUPLED WITH A SURVEY OF BENTHIC FAUNA AND RELATED TO FEEDING TYPES, SUBSTRATE, HABITAT, SIZE, ABUNDANCE AND FREQUENCY OF ENCOUNTER. COMPARISON OF IN CHANNEL AND OUT CHANNEL SAMPLING DATA INCLUDED ALONG WITH COMMENTS AS TO THE EFFECT OF SPOIL DEPOSITION ON BENTHIC FAUNA. COMMENTS AS TO SEASONAL VARIATION OF BENTHIC FAUNA AND EFFECTS OF DREDGING INCLUDED.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
110 PAGES

FUNDING:
CORPS OF ENGINEERS, U S ARMY, CONTRACT NO DA-44-110-CIVENG-61-101

INVENTORY:

PUBLICATIONS:
VIMS SPECIAL REPORT IN APPLIED MARINE SCIENCE AND OCEAN ENGINEERING, NO 8, 1967

CONTACT:
LIBRARIAN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730770 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	98	STATIONS			
TIME	EARTH	STATION TIME	YML	5	STATIONS			SAMPLES TAKEN DURING FIVE CRUISES
BATHYMETRY	WATER	LEAD LINE	METERS	98	OSS			
SIZE ANALYSIS	SEDIMENT	SIEVE	TEXTURAL CLASS (SHEPARD, 1954), MODAL CLASS, MEDIAN DIAMETER IN	98	OSS			GRAVITY CORER 2 IN DIA; PETERSON GRAB 1/10 SQ METER; TOP 5 IN OF

001

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SIZE ANALYSIS	SEDIMENT	SETTLING/VISUAL	MM, MEDIAN DIAMETER IN PHI SIZES TEXTURAL CLASS (SHEPARD, 1954), MODAL CLASS, MEDIAN DIAMETER IN MM, MEDIAN DIAMETER IN PHI SIZES	90	OBS		CORE ANALYZED GRAVITY CORER 3 IN DIA; PETERSON GRAB 1/15 SQ METER; TOP 5 IN OF CORE ANALYZED
ORGANIC CARBON	SEDIMENT	DRY COMBUSTION/ GAS DISPLACEMENT	PER CENT BY WEIGHT	68	OBS	SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS 90 CM	NOT ALL STATIONS SAMPLED
INORGANIC CARBON	SEDIMENT	DRY COMBUSTION/ GAS DISPLACEMENT	PER CENT BY WEIGHT	68	OBS	SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS 90 CM	NOT ALL STATIONS SAMPLED
PHOSPHORUS	SEDIMENT	SPECTROPHOTOMETRY	PER CENT BY WEIGHT	68	OBS	SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS 90 CM	NOT ALL STATIONS SAMPLED
IRON	SEDIMENT	SPECTROPHOTOMETRY	PER CENT BY WEIGHT	68	OBS	SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS 90 CM	NOT ALL STATIONS SAMPLED
SODIUM	SEDIMENT	FLAME SPECTROMETRY	PER CENT BY WEIGHT	68	OBS	SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS 90 CM	NOT ALL STATIONS SAMPLED
POTASSIUM	SEDIMENT	FLAME SPECTROMETRY	PER CENT BY WEIGHT	68	OBS	SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS 90 CM	NOT ALL STATIONS SAMPLED
CALCIUM	SEDIMENT	TITRATION	PER CENT BY WEIGHT	68	OBS	SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS	NOT ALL STATIONS SAMPLED

2680

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MAGNESIUM	SEDIMENT	TITRATION	PER CENT BY WEIGHT	68	OBS	99 CM SURFACE OF SEDIMENT AND AT 10 CM INTERVALS TO AS DEEP AS 90 CM	NOT ALL STATIONS SAMPLED
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER SAMPLE, NUMBER OF INDIVIDUALS PER SPECIES	518	OBS		PETERSON GRAB 1/ 15 SQ METER; SAMPLE PROCESSED THRU 0.5 MM AND 1.0 MM SCREEN
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS PER SAMPLE PER SCREEN SIZE, TOTAL INDIVIDUALS	518	OBS		PETERSON GRAB 1/ 15 SQ METER; SAMPLE PROCESSED THRU 0.5 MM AND 1.0 MM SCREEN
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	NUMBERS	478	OBS		DIVERSITY ANALYSIS, SHANNON, BRD INDEX, FREQUENCY
TAXONOMIC LIST OF BENTHIC ANIMALS	BOTTOM	KEY	NAMES	68	OBS		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES RELATED TO SEDIMENT TYPES, NUMBER OF INDIVIDUALS PER SPECIES PER SEDIMENT TYPE PER METER SQ	478	OBS		

001287 INVENTORY OF CHLORINATED HYDROCARBONS IN THE CHESTER RIVER PAGE 01
DATA COLLECTED: NOVEMBER 1971 TO JANUARY 1973 RECEIVED: SEPTEMBER 17, 1973

PROJECTS:
CHESTER RIVER STUDY

GENERAL GEOGRAPHIC AREA:
U.S., COASTAL, NORTH ATLANTIC, CHESAPEAKE BAY, MARYLAND, CHESTER RIVER

ABSTRACT:
THIS PORTION OF THE CHESTER RIVER, (MARYLAND) STUDY WAS CONCERNED WITH THE PRESENCE OF CHLORINATED HYDROCARBONS IN THE BIOTA AND SEDIMENT IN THE RIVER. RESEARCH EFFORTS WERE DIRECTED TO DETERMINE THE EXISTING LEVELS OF CHLORINATED HYDROCARBONS. THEIR SOURCES, SINKS AND FLUCTUATIONS, CHLORINATED HYDROCARBONS FOUND IN SEDIMENT WERE CORRELATED TO MEAN GRAIN SIZE DIAMETER AND WITH RESPECT TO DISTRIBUTION ALONG THE MAIN RIVER COURSE.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
150 SEDIMENT SAMPLES; 100 SAMPLES OF THE BIOTA

FUNDING:
WESTINGHOUSE, MARYLAND DEPT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:
CHESTER RIVER STUDY, WESTINGHOUSE, VOL 1, 2, 3

CONTACT:
THOMAS MUNSON 301-783-1000
WESTINGHOUSE ELECTRIC CORPORATION
OCEAN RESEARCH LABORATORY, BOX 1771
ANNAPOLIS MARYLAND USA 21404

GRID LOCATOR (LAT):
730798

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	25	STATIONS	QUARTERLY		
TIME	EARTH	STATION TIME	YMDL	150	STATIONS	25 STATIONS ON A QUARTERLY BASIS		
LINDANE	SEDIMENT	GAS CHROMATOGRAPHY	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	CHLORINATED HYDROCARBONS
ALDRIN	SEDIMENT	GAS CHROMATOGRAPHY	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	WEIGHT/DEPTH	REMARKS
DIELDRIN	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
ENDRIN	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
DDT	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
DDD	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
DDE	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
TOXAPHENE	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
CHLORDANE	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
POLYCHLORINATED BIPHENYLS	SEDIMENT	GAS CHROMATOGRAPH Y	PARTS PER BILLION	150	OBS	25 STATIONS ON A QUARTERLY BASIS	BOTTOM	
LINDANE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	100	OBS			MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTREA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MORONE AMERICANA, WHITE PERCH; MORONE PERCAFLAVIS, YELLOW PERCH
ALDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	100	OBS			MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTREA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MORONE AMERICANA, WHITE PERCH; MORONE PERCAFLAVIS, YELLOW PERCH
DIELDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	100	OBS			MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTR

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CHLOR IN SED MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	100	OBS		RA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MENHE AMERICANA, WHITE PERCH; MENHE PERCAFLAVIS, YELLOW PERCH MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTR EA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MENHE AMERICANA, WHITE PERCH; MENHE PERCAFLAVIS, YELLOW PERCH MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTR EA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MENHE AMERICANA, WHITE PERCH; MENHE PERCAFLAVIS, YELLOW PERCH MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTR EA VIRGINICA,
DDT IN SED MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	100	OBS		
DDD IN SED MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	100	OBS		
DDE IN SED MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER BILLION	100	OBS		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MORONE AMERICANA, WHITE PERCH; MORONE PERCAFLAVIS, YELLOW PERCH
TOKAPHENE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	100 OBS			MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTREA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MORONE AMERICANA, WHITE PERCH; MORONE PERCAFLAVIS, YELLOW PERCH
CHLORDANE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	100 OBS			MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTREA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MORONE AMERICANA, WHITE PERCH; MORONE PERCAFLAVIS, YELLOW PERCH
POLYCHLORINATED BIPHENYLS IN BIO MATERIAL	WATER	GAS CHROMATOGRAPHY	PARTS PER BILLION	100 OBS			MYA ARENARIA, SOFT SHELL CLAM; CRASSOSTREA VIRGINICA, OYSTER; CALLINECTES SAPIDUS, BLUE CRAB; MORONE AMERICANA, WHITE PERCH; MORONE PERCAFLAVIS, YELLOW PERCH

ECOLOGICAL SURVEY VEPCO PORTSMOUTH POWER STATION
DATA COLLECTED: JUNE 1973 TO PRESENT

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, ELIZABETH RIVER

ABSTRACT:
ECOLOGICAL SURVEY TO MONITOR THE EFFECTS OF HEATED WATER EFFLUENT FROM VEPCO PORTSMOUTH STATION ON THE FAUNA IN THE SOUTH BRANCH OF THE ELIZABETH RIVER, DEEP CREEK CANAL, AND GREAT BRIDGE CANAL. FISH EGGS AND LARVAE, JUVENILE AND ADULT FISHES, BENTHIC INVERTEBRATES, AND WATER QUALITY DATA TAKEN AT 18 STATIONS ON MONTHLY BASIS SINCE JUNE 1973.

DATA AVAILABILITY:
UPON WRITTEN REQUEST SUBJECT TO COMPANY APPROVAL AND CONDITIONS

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
6 CUBIC FEET OF DATA SHEETS

FUNDING:
VEPCO

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN C WHITE 804 771 3000
VIRGINIA ELECTRIC AND POWER COMPANY
P O BOX 26666
RICHMOND VIRGINIA USA 23261

GRID LOCATION (LAT):
36N76W

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	COMMENT
POSITION	EARTH	FIXED POINT	MAP	162	STATIONS			
TIME	EARTH	STATION TIME	YRMOHL	162	STATIONS			
DEPTH	WATER	WIRE LENGTH	FEET	162	DBS	MONTHLY	BOTTOM	
TEMPERATURE	WATER	THERMISTOR	DEG C	320	DBS	MONTHLY	SURFACE AND BOTTOM	4 PROFILE STATIONS PER SAMPLE DAY
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	320	DBS	MONTHLY	SURFACE AND BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	MILLIGRAMS PER LITER	320	DBS	MONTHLY	SURFACE AND BOTTOM	AZIDE MODIFICATION
SPECIES DETERMINATION	BOTTOM	KEY	NUMBER PER TAXON PER	32	DBS	MONTHLY	BOTTOM	3 REPLICATES PER STATION, 4

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC ANIMALS			REPLICATE, PER STATION					STATIONS, 6 BY 6 INCH EKMAN GRAB
TAXONOMIC LIST OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER TAXON PER REPLICATE, PER STATION	50	OBS	MONTHLY	BOTTOM	GENUS AND FAMILY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES, PER REPLICATE, NUMBER PER TAXON PER STATION	150	OBS	MONTHLY	BOTTOM	
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	DISTRIBUTION, PERCENT COMPOSITION, DIVERSITY, RANK ANALYSIS	50	OBS		BOTTOM	BENTHIC SAMPLES, WITHIN AND BETWEEN STATION COMPARISONS
WEIGHT OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT	GRAMS PER GRAB, PER TAXON, PER STATION	150	OBS	MONTHLY	BOTTOM	3 REPLICATES PER STATION, 4 STATIONS, 6 BY 6 INCH EKMAN GRAB
WEIGHT OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	GRAMS PER GRAB, PER TAXON, PER STATION	150	OBS	MONTHLY	BOTTOM	3 REPLICATES PER STATION, 4 STATIONS, 6 BY 6 INCH EKMAN GRAB
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER TAXON PER TRAWL	25	OBS	MONTHLY	BOTTOM	TRAWL CATCH AT 3 STATIONS
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	NUMBER OF SPECIES PER STATION PER GEAR, PER MONTH	25	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 18 FOOT TRAWL, BEACH SEINE
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER OF SPECIES PER STATION PER GEAR, PER MONTH	25	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 18 FOOT TRAWL, BEACH SEINE
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES, PER REPLICATE, NUMBER PER TAXON PER STATION	600	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 18 FOOT TRAWL, BEACH SEINE
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES, PER REPLICATE, NUMBER PER	600	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 18 FOOT TRAWL, BEACH SEINE

0660

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
			TAXON PER STATION					
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MILLIMETERS, LENGTH FREQUENCY, AVERAGE LENGTH PER TAXON PER SAMPLE	500	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 10 FOOT TRAWL, BEACH SEINE
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MILLIMETERS, LENGTH FREQUENCY, AVERAGE LENGTH PER TAXON PER SAMPLE	500	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 10 FOOT TRAWL, BEACH SEINE
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	GRAMS PER INDIVIDUAL, SAMPLE WEIGHT PER TAXON, TOTAL SAMPLE	500	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 10 FOOT TRAWL, BEACH SEINE
WEIGHT OF DEMERSAL FISH	WATER	WET WEIGHT	GRAMS PER INDIVIDUAL, SAMPLE WEIGHT PER TAXON, TOTAL SAMPLE	500	OBS	MONTHLY	SURFACE TO BOTTOM	GILLNET, 10 FOOT TRAWL, BEACH SEINE
LENGTH/WEIGHT RATIO IN PELAGIC FISH	WATER	CALCULATED	REGRESSION EQUATION PER SPECIES	25	OBS			GILLNET, 10 FOOT TRAWL, BEACH SEINE
LENGTH/WEIGHT RATIO IN DEMERSAL FISH	WATER	CALCULATED	REGRESSION EQUATION PER SPECIES	25	OBS			GILLNET, 10 FOOT TRAWL, BEACH SEINE
COMMUNITY STRUCTURE ANALYSIS	WATER	CALCULATED	RANK ANALYSIS BY NUMBERS AND WEIGHT, DIVERSITY, SEASONAL ABUNDANCE INDEX BY SPECIES	25	OBS			GILLNET, 10 FOOT TRAWL, BEACH SEINE
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	NUMBER OF SPECIES PER STATION PER GEAR, PER MONTH	25	OBS	MONTHLY	SURFACE	FISH EGGS AND LARVAE
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER PER TAXON PER SAMPLE	25	OBS	MONTHLY	SURFACE	FISH EGGS AND LARVAE

100

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, WARE RIVER, SEVERN RIVER

ABSTRACT:
TWO TIDAL MARSHES ALONG THE SEVERN AND WARE RIVERS, VIRGINIA ARE SAMPLED MONTHLY OVER A TWO YEAR PERIOD TO DETERMINE FAUNAL POPULATION SIZES AND FLORAL PRODUCTIVITY. RESPIRATION RATES ARE MEASURED ON BOTH MACROFAUNA AND BENTHOS. COMPARISONS ARE MADE BETWEEN ONE CONTROL MARSH AND ONE MARSH TREATED WITH OIL.
(AVAILABLE AS VIMS PH D DISSERTATION, JUNE 1975)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
SIX NOTEBOOKS OF 25 TO 50 DATA SHEETS EACH

FUNDING:
THE VIRGINIA INSTITUTE OF MARINE SCIENCE

INVENTORY:

PUBLICATIONS:

CONTACT:
CARL HERSHNER 804 642 2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730776

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2	STATIONS			TWO TIDAL MARSHES USED FOR SAMPLING
TIME	EARTH	STATION TIME	YMDH	96	OBS	MONTHLY		STUDY WILL CONTINUE FOR AN APPROXIMATE TWO YEAR PERIOD
COUNT OF INSECTS	LAND	VISUAL	NUMBER PER SPECIES	240	OBS	MONTHLY		TEN OBSERVATIONS PER MONTH
SPECIES DETERMINATION OF INSECTS	LAND	KEY	NUMBER PER SPECIES	240	OBS	MONTHLY		TEN OBSERVATIONS PER MONTH

001811 RESPONSE OF SALT MARSH COMMUNITY TO CHRONIC HYDROCARBON POLLUTION (CONT.) PAGE 02

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	190	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	NUMBER PER SPECIES AND POPULATION SIZE	190	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MILLIMETERS	190	OBS	MONTHLY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE; MARSH DECAPODS ONLY
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		SEVERAL OBSERVATIONS IN EACH MARSH PER MONTH; MARK-RECAPTURE; MARSH DECAPODS ONLY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		QUADRAT COUNTS OF MARSH GASTROPODS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		QUADRAT COUNTS OF MARSH GASTROPODS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		CORE SAMPLING OF MARSH MACRO- AND MEIO-FAUNA; COMMUNITY DIVERSITY INDICES CALCULATED
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER PER SPECIES AND POPULATION SIZE	96	OBS	MONTHLY		CORE SAMPLING OF MARSH MACRO- AND MEIO-FAUNA; COMMUNITY DIVERSITY INDICES CALCULATED
BIOMASS OF BENTHIC PLANTS	BOTTOM	DRY WEIGHT	GRAMS PER M2	96	OBS	MONTHLY		PRODUCTIVITY OF MARSH GRASS BY CLIPPED

[illegible]

RESPONSE OF SALT MARSH COMMUNITY TO CHRONIC HYDROCARBON POLLUTION (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	[illegible]
COUNT OF BIRDS	AIR	VISUAL	NUMBER PER SPECIES	96	OBS	MONTHLY		[illegible]
SPECIES DETERMINATION OF BIRDS	AIR	KEY	NUMBER PER SPECIES	96	OBS	MONTHLY		[illegible]

FISH EGGS AND LARVAE - BALTIMORE HARBOR
DATA COLLECTED: MARCH 1970 TO JUNE 1971

RECEIVED: APRIL 15, 1974

PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, BALTIMORE HARBOR, MARYLAND

ABSTRACT:
SURVEY OF FISH EGGS AND LARVAE IN THE PATAPSCO RIVER AND BALTIMORE HARBOR DURING 1970 AND 1971. PLANKTON NET AND BEACH SEINE GEAR USED AT A TOTAL OF 20 STATIONS. SPECIES LISTS AND ABUNDANCE PRESENTED AS AN ASSESSMENT OF ECOLOGY AND UTILIZATION OF HABITAT BY FISHES.
(NRI REFERENCE NUMBER 71-76 FINAL REPORT)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 1 OF 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATION (LAT):
730700

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	COMMENT
POSITION	EARTH	FIXED POINT	MAP	20	STATIONS			1 SITE VISIT
TIME	EARTH	STATION TIME,	YMD	20	STATIONS			
SPECIES DETERMINATION OF PLANKTONIC FISH	WATER	KEY	SPECIES PER STATION	20	OBS			EGG, LARVAE, AND JUVENILE FISHES TAKEN IN 3 MINUTE OBLIQUE TOW OF PLANKTON NET AND 30 FOOT BEACH SEINE
SPECIES	WATER	KEY	SPECIES PER	20	OBS			EGG, LARVAE,

FISH EGGS AND LARVAE - BALTIMORE HARBOR (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF SEMIBASAL FISH			STATION					AND JUVENILE FISHES TAKEN IN 5 MINUTE OBLIQUE TOW OF PLANKTON NET AND 50 FOOT BEACH SEINE
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES IN EACH SAMPLE	36	DBS			EGG, LARVAE, AND JUVENILE FISHES TAKEN IN 5 MINUTE OBLIQUE TOW OF PLANKTON NET AND 50 FOOT BEACH SEINE
COUNT OF SEMIBASAL FISH	WATER	VISUAL	NUMBER PER SPECIES IN EACH SAMPLE	36	DBS			EGG, LARVAE, AND JUVENILE FISHES TAKEN IN 5 MINUTE OBLIQUE TOW OF PLANKTON NET AND 50 FOOT BEACH SEINE

DATA COLLECTED: MARCH 1970 TO JUNE 1971 RECEIVED: APRIL 15, 1974

PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, CHESTER RIVE R, BALTIMORE HARBOR, MARYLAND

ABSTRACT:
BENTHIC COMMUNITY SURVEY OF THE BALTIMORE HARBOR CONDUCTED ON A QUARTERLY SCHEDULE. 28 REPLICATED STATIONS IN PATAPSCO RIVER AND 8 IN THE CHESTER RIVER. DATA FILE INCLUDES HYDROGRAPHIC, SEDIMENT, SPECIES, ABUNDANCE, BIOMASS, AND COMMUNITY ANALYSIS. PROJECT ASSESSED ECOLOGICAL ASPECTS OF HARBOR AND RELATED THEM TO CONTROL HABITAT IN CHESTER RIVER.
(HRI REFERENCE NUMBER 71-76 FINAL REPORT; DATA SHEETS H.T. PFITZENMEYER OF CBL HOLDS)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 2 OF A 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730794

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	140	STATIONS			
TIME	EARTH	STATION TIME	YMD	140	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	140	OBS	QUARTERLY	BOTTOM	RS 5-3
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	140	OBS	QUARTERLY	BOTTOM	RS 5-3
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PART PER MILLION	140	OBS	QUARTERLY	BOTTOM	YSI MODEL 51A
DEPTH	WATER	WIRE LENGTH	FEET	140	OBS	QUARTERLY	BOTTOM	
SIZE ANALYSIS	SEDIMENT	SIEVE	PERCENT SAND, CLAY, SILT	35	OBS			U.S. STANDARD SIEVE SERIES
SPECIES	BOTTOM	KEY	SPECIES PER	140	OBS	QUARTERLY		0.1 SQ METER

PARAMETER IDENTIFICATION SECTION:

NAME	SYSTEM	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DETERMINATION OF BENTHIC ANIMALS			STATION, PER RIVER, PER QUARTER					ONE VEEN GRAB, REPLICATE SAMPLES PER STATION
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES PER SAMPLE AND PER SQ METER	345	085	QUARTERLY		
WEIGHT OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	WEIGHT PER SPECIES PER SQ METER	315	085	QUARTERLY		
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	GRAMS PER SQ METER	315	085	QUARTERLY		
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	DIVERSITY, REDUNDANCY	315	085	QUARTERLY		

PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, BALTIMORE HARBOR, MARYLAND

ABSTRACT:
LENGTH FREQUENCY MEASUREMENTS OF FISHES CAPTURED BY TRAWL IN THE VICINITY OF BALTIMORE HARBOR. DISTRIBUTION AND ABUNDANCE OF FISHES RELATIVE TO INDUSTRIAL DEVELOPMENT OF SHORE LINE. COMMENTS ON APPARENT STRESS REACTIONS FOR MORONE AMERICANA. HARBOR DATA COMPARED TO CHESTER RIVER DATA.
(NRI REFERENCE NUMBER 71-76 FINAL REPORT)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 3 OF 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
738708

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	137	STATIONS			
TIME	EARTH	STATION TIME	YMD	137	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	137	OBS		BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	137	OBS		BOTTOM	
DEPTH	WATER	WIRE LENGTH	FEET	137	OBS		BOTTOM	
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES PER SAMPLE	137	OBS		BOTTOM	29 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH COD LINER

FINFISH IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES PER SAMPLE	137 OBS		BOTTOM	25 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH CODLINER
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES PER SAMPLE	137 OBS		BOTTOM	25 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH CODLINER
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	SPECIES PER SAMPLE	137 OBS		BOTTOM	25 FOOT SEMI-BALLOON TRAWL, 5 MINUTE TOW, 1/2 INCH CODLINER
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MM	137 OBS		BOTTOM	FREQUENCY, MEAN, UP TO 99 FISH PER SPECIES
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MM	137 OBS		BOTTOM	FREQUENCY, MEAN, UP TO 99 FISH PER SPECIES

BLUE CRABS - BALTIMORE HARBOR
DATA COLLECTED: APRIL 1970 TO FEBRUARY 1971

RECEIVED: APRIL 15, 1974

PROJECTS:
A BIOLOGICAL STUDY OF BALTIMORE HARBOR

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, CHESTER RIVER, BALTIMORE HARBOR, MARYLAND

ABSTRACT:
ANALYSIS OF BLUE CRABS FOUND IN THE VICINITY OF BALTIMORE HARBOR. DATA COMPARED TO PARALLEL INFORMATION FROM CHESTER RIVER. FILE INCLUDES ABUNDANCE, SIZE AND SEX RATIO. TRAWL AND MODIFIED OYSTER DREDGE USED AS SAMPLING GEAR. (NR: REFERENCE NUMBER 71-78 FINAL REPORT)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
PART 4 OF A 120 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730705

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	144	STATIONS			
TIME	EARTH	STATION TIME	YMD	144	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	288	OBS		SURFACE AND BOTTOM	KS 5-6
SALINITY	WATER	CONDUCTIVITY	PART PER THOUSAND	288	OBS		SURFACE AND BOTTOM	KS 5-3
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SAMPLE	288	OBS			35 FOOT TRAWL AND MODIFIED 48 INCH OYSTER DREDGE
LENGTH OF BENTHIC	BOTTOM	DIRECT	0 PT 5 MM. CARAPACE WIDTH	288	OBS			ALL CRABS LENGTH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS								
SEX DETERMINATIO N OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER MALE AND FEMALE, ADULT AND JUVENILE	200	OBS			FREQUENCY
DEPTH	WATER	UNCORRECTED SOUNDING DEPTH BASED ON 4800 FT/SEC	FEET	200	OBS		BOTTOM	

BENTHIC INVESTIGATIONS AT MORGANTOWN ELECTRIC PLANT
DATA COLLECTED: SEPTEMBER 1972 TO DECEMBER 1973

RECEIVED: APRIL 19, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, POTOMAC RIVER, MARYLAND

ABSTRACT:
HYDRAULIC ESCALATOR DREDGE SAMPLES FROM AN OYSTER BAR AND CLAM BOTTOM IN THE VICINITY OF MORGANTOWN STEAM ELECTRIC GENERATING PLANT ANALYZED FOR POPULATIONS OF MOLLUSCS. HYDROGRAPHIC DATA TAKEN CONCURRENTLY WITH BENTHIC DATA. COMMUNITY INDICES GENERATED FROM DATA.

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
10 PAGE REPORT

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
HAYES T. PFITZENMEYER 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
750707

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	43	STATIONS			
TIME	EARTH	STATION TIME	YRS	43	STATIONS			
DEPTH	WATER	WIRE LENGTH	FEET	43	[illegible]			
TEMPERATURE	WATER	THERMISTOR	DEG C	43	[illegible]		BOTTOM	[illegible]
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	43	[illegible]		BOTTOM	[illegible]
BOTTOM TYPE	BOTTOM	VISUAL	USCGS TYPES	39	[illegible]			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	NUMBER OF SPECIES PER STATION	43	[illegible]			[illegible] OF 0.1M SQ METER
SPECIES DETERMINATION	BOTTOM	KEY	NUMBER OF SPECIES PER	16	[illegible]			VARIABLE [illegible] SAMPLES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC ANIMALS			STATION					AT 4 STATIONS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES PER SAMPLE	39	OBS			HYDRAULIC GRAB OF 0.124 SQ METER
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	FAUNAL AFFINITY INDEX	39	OBS			

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, CHESAPEAKE AND DELAWARE CANAL

ABSTRACT:
SURVEY OF MACROINVERTEBRATES IN THE VICINITY OF THE C AND D CANAL CONDUCTED ON A QUARTERLY SAMPLING SCHEDULE. 10 STATIONS SAMPLED WITH 3 REPLICATE GRABS PER VISIT USING A 0.1 SQUARE METER VAN VEEN GRAB. SPECIES, COUNTS, BIOMASS, AND COMMUNITY ANALYSES DATA REPORTED.
(NRI REFERENCE NUMBER 73-113)

DATA AVAILABILITY:
WRITTEN REQUEST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
40 PAGE REPORT

FUNDING:
U.S. ARMY CORPS OF ENGINEERS DAWC-61-71-C-0062

INVENTORY:

PUBLICATIONS:
APPENDIX 3 OF REPORT FILED BY PROJECT TITLE WITH PHILADELPHIA OFFICE OF CORPS AND AT CBL.

CONTACT:
HAYES T. PFITZENMEYER 301 328 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730705

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	70	STATIONS			
TIME	EARTH	STATION TIME	YMD	70	STATIONS			
DEPTH	WATER	WIRE LENGTH	FEET	70	OBS	QUARTERLY	BOTTOM	
TEMPERATURE	WATER	THERMISTOR	DEG C	44	OBS	QUARTERLY	BOTTOM	[illegible]
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	44	OBS	QUARTERLY	BOTTOM	[illegible]
SIZE ANALYSIS	SEDIMENT	SETTLING/ WEIGHING	PER CENT SAND, CLAY, SILT	10	OBS			VAN VEEN GRAB
SPECIES DETERMINATION	BOTTOM	KEY	SPECIES PER REPLICATE AND	220	OBS	QUARTERLY		0.1 VAN VEEN GRAB, 3

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OF BENTHIC ANIMALS			PER STATION					
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SAMPLE, PER SPECIES, PER REPLICATE, AND MEAN NUMBER PER STATION PER SPECIES	228	OBS	QUARTERLY		REPLICATES PER STATION PER QUARTER, SIEVE SIZE 0.7 MM 15 SPECIES TAKEN
CATCH/EFFORT OF BENTHIC ANIMALS	BOTTOM	TRAP	NUMBER PER SQ METER	228	OBS	QUARTERLY		15 SPECIES TAKEN
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	GRAMS PER SQ METER	228	OBS	QUARTERLY		15 SPECIES TAKEN
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	GM PER SAMPLE	12	OBS			
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED	RELATIVE ABUNDANCE, RANK ABUNDANCE, PERCENT COMPOSITION, FAGER ANALYSIS, SANDERS AFFINITY ANALYSIS, DIVERSITY D, D MAX, D MIN, AND REDUNDANCY	228	OBS	QUARTERLY		
DIVERSITY INDEX OF BENTHIC ANIMALS	BOTTOM	MARGALEF	BY STATION AND QUARTER	76	OBS	QUARTERLY		
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH	WATER	VISUAL	PER CENT COMPOSITION BY NUMBER AND OCCURRENCE	172	OBS			19 MORONE SAXATILIS, 108 M. AMERICANA, 35 ICTALURUS CATUS, AND 10 PERCA FLAVESCEN S TAKEN IN MUNCH THROUGH MAY

ENVIRONMENTAL EFFECTS OF EXPLOSIVES TESTING
DATA COLLECTED: JULY 1973 TO AUGUST 1973
RECEIVED: APRIL 15, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY

ABSTRACT:
SHORT TERM STUDY ON THE EFFECTS OF EXPLOSIONS ON FISHES. ELEVEN TESTS WITH WHITE PERCH, SPOT, AND HOGCHOKER PLACED VARIOUS DISTANCES FROM IMPACT AREA. MORTALITY, INJURY TO FISH, AND HYDROGRAPHIC DATA INCLUDED IN FILE.
(NATURAL RESOURCES INSTITUTE REFERENCE NUMBER 74-9, U. MARYLAND)

DATA AVAILABILITY:
WRITTEN REQUEST TO M.L.W. FOR ENVIRONMENTAL DATA, N.O.L. CLEARANCE FOR OTHER DATA

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
35 PAGE REPORT PLUS DATA FOLDER 3 INCHES THICK

FUNDING:
U.S. NAVAL ORDINANCE LABORATORY

INVENTORY:

PUBLICATIONS:

CONTACT:
MARTIN L. WILEY 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATER (LAT):
TBVTBB

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	11	STATIONS			
TIME	EARTH	STATION TIME	YRJHL	11	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG C	73	OBS		SURFACE TO 30 FT	GANTEN MULTIPLE PROBE
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	73	OBS		SURFACE TO 30 FT	GANTEN MULTIPLE PROBE
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PPM	63	OBS		SURFACE TO 30 FT	GANTEN MULTIPLE PROBE
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL/TEMPERATURE CORRECTED	MMHO	73	OBS		SURFACE TO 30 FT	GANTEN MULTIPLE PROBE
BIOLOGICAL	WATER	VISUAL	RELATIVE	73	OBS			WHITE PERCH,

PARAMETER IDENTIFICATION SECTION:

TYPE	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CONDITION OF EXPERIMENTAL FISH			INJURY, MORTALITY				SPOT, HOECHSTER TEST ANIMALS DISSECTED AFTER TEST EXPLOSION, 5 CAGES PER TEST, 10 FISH PER CAGE, EFFECTS OF CAVITATION, SHORT TERM AND 10 DAY MORTALITIES

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, TANGIER SOUND, POTOMAC RIVER, PATUXENT RIVER

ABSTRACT:
STATIONS IN THE UPPER PORTION OF THE CHESAPEAKE BAY ARE SAMPLED WEEKLY OR BIWEEKLY FROM MAY 1 TO OCT 1 FOR BLUE CRABS
(SAMPLING FROM MAY 1 TO OCT 1 YEARLY)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
50 DATA SHEETS

FUNDING:
STATE OF MARYLAND AND NATIONAL MARINE FISHERY SERVICE

INVENTORY:

PUBLICATIONS:

CONTACT:
STEPHEN D. SULKIN 301 326 4281 X66
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730778 730780 730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	38	STATIONS			
TIME	EARTH	STATION TIME	YMD	700	OBS	20 STATIONS SAMPLED WEEKLY, 18 STATIONS SAMPLED BIWEEKLY		STATIONS SAMPLED WITH PUSH NET
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER STATION	700	OBS	20 STATIONS SAMPLED WEEKLY, 18 STATIONS SAMPLED BIWEEKLY	BOTTOM	GREATER THAN 80 MM SIZE OF BLUE CRABS ONLY
LENGTH OF BENTHIC	BOTTOM	DIRECT	MILLIMETER	700	OBS	20 STATIONS SAMPLED	BOTTOM	CARAPACE WIDTHS OF BLUE CRABS

FACTORS INFLUENCING POPULATION SIZE OF BLUE CRABS - MIGRATION OF JUVENILES (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	MEASUREMENT/DEPTH	COMMENTS
ANIMALS						WEEKLY, 10 STATIONS SAMPLED BIWEEKLY		
SEX DETERMINATIO N OF IDENTIFIC ANIMALS	BOTTOM	VISUAL	MALE OR FEMALE	730	365	20 STATIONS SAMPLED WEEKLY, 10 STATIONS SAMPLED BIWEEKLY	BOTTOM	
TEMPERATURE	WATER	THERMISTOR	DEG C	730	365	20 STATIONS SAMPLED WEEKLY, 10 STATIONS SAMPLED BIWEEKLY	BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	730	365	20 STATIONS SAMPLED WEEKLY, 10 STATIONS SAMPLED BIWEEKLY	BOTTOM	

EPIZOOTIOLOGY OF OYSTER DISEASES IN CHESAPEAKE BAY
DATA COLLECTED: JANUARY 1950 TO PRESENT
RECEIVED: MARCH 28, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY, VIRGINIA TRIBUTARIES, WESTERN SHORE OF BAY

ABSTRACT:
MORTALITY RATES OF OYSTERS IN THE LOWER CHESAPEAKE BAY REGION HAVE BEEN DETERMINED BY TRAY COUNTS AND SAMPLING FROM PUBLIC AND PRIVATE OYSTER BEDS SINCE 1950. PREVALENCE OF DISEASE ORGANISMS IN OYSTERS DERMOCYSTIDIUM MARINUM, MINCHINIA NELSONI, MINCHINIA COSTALE HAS BEEN STUDIED BY SAMPLING OYSTER TRAYS AND OYSTER BEDS SINCE 1950, 1959, AND 1960 RESPECTIVELY. THE SAMPLES OF OYSTERS OBTAINED FOR DISEASE DIAGNOSIS OVER THESE PERIODS OF TIME HAVE RESULTED IN A PERMANENT COLLECTION OF OVER 150000 SECTIONED AND STAINED SLIDES. ALL GAPERS ON TRAY LOTS EXAMINED FOR ANY DISEASES, LIVE OYSTERS ON TRAY LOTS EXAMINED IN SAMPLE SIZE OF 25 ONE TO FIVE TIMES EACH YEAR FOR SPECIFIC DISEASE ORGANISMS

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
FOUR FILING CABINETS OF DATA SHEETS, FOUR DRAWERS IN EACH CABINET. SUMMARIES BY YEAR.

FUNDING:
STATE OF VIRGINIA, U.S. GOVERNMENT

INVENTORY:

PUBLICATIONS:
NUMEROUS PUBLICATIONS BASED ON THIS WORK OVER THE PAST 20 YEARS

CONTACT:
DR. JAY D. ANDREWS 804 642 2111 X67
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730788 730778 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	500	STATIONS			
TIME	EARTH	STATION TIME	YMD	18000	OBS			BOTH OYSTER TRAY LOTS AND PUBLIC AND PRIVATE OYSTER BED EXAMINATIONS
MORTALITY OF BENTHIC ANIMALS	BOTTOM	VISUAL	PERCENT DEAD PER MONTH	28000	OBS			MONTHLY AND YEARLY MORTALITIES

120

PARAMETER IDENTIFICATION SECTION:

NAME	SOURCE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	METHOD/DEPTH	REMARKS
							DETERMINED BY TRAY COUNTS: 1000 PUBLIC AND PRIVATE OYSTER BEDS EXAMINED FOR NUMBER OF RUMP PER BUSHEL
SAMPLE OF PARASITES	WATER	SLIDES		150000 OBS			150000 OYSTERS SECTIONED AND STAINED ON SLIDES IN PERMANENT COLLECTION

DATA COLLECTED: JANUARY 1947 TO DECEMBER 1967 RECEIVED: MARCH 28, 1974

PROJECTS:.

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, LOWER CHESAPEAKE BAY, TRIBUTARIES AND TIDAL CREEKS

ABSTRACT:
ANNUAL POPULATION ASSESSMENTS OF OYSTERS IN THE LOWER CHESAPEAKE BAY AND NUMEROUS TRIBUTARIES HAVE BEEN MADE SINCE 1947. DATA ALSO INCLUDES COUNTS OF OYSTER SPATFALL AT BOTH SEASONAL INTERVALS AND WITHIN SEASON INTERVALS FOR NUMEROUS STATIONS WITHIN THESE AREAS. OCCURRENCE, ABUNDANCE AND DISTRIBUTION OF PREDATORS, FOULING ORGANISMS, SCAVENGERS AND OTHER ASSOCIATES OF OYSTER BED COMMUNITIES IS AVAILABLE BUT NOT SUMMARIZED EXCEPT GENERALLY. DATA ON PARASITES SUCH AS PEA CRABS, SACCULINIDS, MUD CRABS (PARASITIZED) IS AVAILABLE BUT NOT EASILY ACCESSIBLE.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
FIFTEEN YEARLY FILES EACH WITH 200 DATA SHEETS; FIFTEEN YEARLY SUMMARIES EACH APPROXIMATELY FIVE PAGES FOR SPATFALL DATA

FUNDING:
STATE OF VIRGINIA

INVENTORY:

PUBLICATIONS:
NUMEROUS PUBLICATIONS BASED ON THIS WORK OVER THE PAST 20 YEARS

CONTACT:
DR. JAY D. ANDREWS 804 642 2111 X67
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730705 730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	170	STATIONS			50 OYSTER COUNT STATIONS, 120 SPATFALL COUNT STATIONS
TIME	EARTH	STATION TIME	YMD	6150	OBS			
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF OYSTERS PER BUSHEL	1050	OBS	ANNUAL		ANNUAL FALL POPULATION ASSESMENTS: OYSTERS CLASSED AS MARKET, SMALL.

POPULATION DYNAMICS OF PRIVATE AND PUBLIC OYSTER BEDS IN VIRGINIA, 1947 TO 1987 (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
COUNT OF ZOOPLANKTON	WATER	VISUAL	NUMBER OF OYSTERS PER BUSHEL	1500	OBS	ONE MONTH TO ONE YEAR		YEARLING, SPAT SEASONAL SETTING OF OYSTER SPAT; DATA FOR THESE YEARS ONLY: 1957-1963, 1966, 1981-1987; SHELLBAG TECHNIQUE 1 JUNE TO 1 OCTOBER OF EACH YEAR ONLY; SHELLBAGS, SHELLSTRINGS, AND SETTING PLATES USED
COUNT OF PERIPHYTON ON BENTHIC ANIMALS	BOTTOM	VISUAL	COUNT PER SHELL FACE	3600	OBS	WEEKLY		

001788 BLUE CRAB BLOOD SERUM PAGE 01

DATA COLLECTED: FEBRUARY 1969 TO AUGUST 1972 RECEIVED: MAY 31, 1978

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, CHESAPEAKE BAY, TRIBUTARIES, EASTERN SHORE OF VIRGINIA

ABSTRACT:
VARIATION OF BLOOD SERUM CHLORIDE, MAJOR CATIONS, OSMOTIC CONCENTRATION, PROTEIN, GLUCOSE, TOTAL NINHYDRIN POSITIVE SUBSTANCES, AND TRACE METALS WERE DETERMINED IN NATURE BLUE CRABS, CALLINECTES SAPIDUS, TAKEN FROM A RANGE OF ENVIRONMENTAL CONDITIONS IN TIDAL WATERS OF VIRGINIA.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
PUNCHED CARDS
SEVERAL THOUSAND PUNCHED CARDS

FUNDING:
NATIONAL MARINE FISHERIES SERVICE, SEA GRANT, U.S. PUBLIC HEALTH SERVICE

INVENTORY:

PUBLICATIONS:
LYNCH, M.P., K.L. WEBB, W.A. VAN ENGLE 1973. COMP. BIOCHEM. PHYSIOL 44A: 719-734; LYNCH, M.P. AND K.L. WEBB. 1973. COMP. BIOCHEM. PHYSIOL. 44A. 1237-1249; LYNCH, M.P. AND K.L. WEBB. 1973. COMP. BIOCHEM. PHYSIOL. 45A:127-139; COLVOCORESSES, J., M.P. LYNCH, K.L. WEBB 1974. COMP. BIOCHEM. PHYSIOL. 48A:787-803; COLVOCORESSES, J. AND M.P. LYNCH 1974. COMP. BIOCHEM. PHYSIOL. 50A:135-139.

CONTACT:
MAURICE P. LYNCH, PHD 804 642 2111 X71
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT VIRGINIA USA 23062

GRID LOCATOR (LAT):
730788 730776 730775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	39	STATIONS			
TIME	EARTH	STATION TIME	YMD	100	OBS			SOME STATIONS SAMPLED MONTHLY OTHERS ONLY DURING SUMMER, OTHERS ONCE
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	100	OBS		SURFACE	
TEMPERATURE	WATER	NON-REVERSING	DEG C	100	OBS		SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CHLORIDE IN BIO MATERIAL	WATER	THERMOMETER TITRATION	MILLI-EQUIVALENT S PER LITER	1400	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
GLUCOSE IN BIO MATERIAL	WATER	COLORIMETRY	MG PER 100 ML	1200	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
PROTEIN IN BIO MATERIAL	WATER	COLORIMETRY	MG PER ML	1400	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
AMINO ACIDS IN BIO MATERIAL	WATER	COLORIMETRY	MICROMOLES PER ML	30	OBS			FREE AMINO ACIDS IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
NINHYDRIN PLUS SUBSTANCES IN BIO MATERIAL	WATER	COLORIMETRY	MICROMOLES PER ML	660	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
SODIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	800	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
POTASSIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	800	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
CALCIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	800	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
MAGNESIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	800	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
LIPIDS IN BIO MATERIAL	WATER	COLORIMETRY	PARTS PER MILLION	500	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	900	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	900	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES SAPIDUS
OSMOTIC CONCENTRATION OF BIO	WATER	FREEZING POINT DEPRESSION	MILLIOSMOLES	1000	OBS			IN BLOOD SERUM OF BLUE CRAB, CALLINECTES

PARAMETER IDENTIFICATION SECTION:

NAME	STORET	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MATERIAL							

001715

POST AGNES OYSTER RECOVERY SURVEY
DATA COLLECTED: JULY 1972 TO NOVEMBER 1973

PROJECTS:

RECEIVED: MARCH 28, 1974

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND WATERS

ABSTRACT:
MARYLAND OYSTER PRODUCING AREAS IN CHESAPEAKE BAY WERE SAMPLED AT QUARTERLY INTERVALS TO DETERMINE ANY EFFECTS OF HURRICANE AGNES ON THE CONDITION OR NUMBERS OF OYSTERS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
FOUR 50 PAGE UNPUBLISHED DATA REPORTS

FUNDING:
STATE OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
DAVID G. CARGO 301 326 4281
CHESAPEAKE BIOLOGICAL LABORATORY
BOX 38
SOLOMONS MARYLAND USA 20688

GRID LOCATOR (LAT):
730788 730795 730798

121

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	30	STATIONS			MARYLAND OYSTER PRODUCING AREAS
TIME	EARTH	STATION TIME	YMDH	120	OBS	QUARTERLY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS	120	OBS	QUARTERLY		ALIVE OR DEAD AND QUALITY OF OYSTER MEATS NOTED
TEMPERATURE	WATER	THERMISTOR	DEG C	240	OBS	QUARTERLY	SURFACE AND BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PARTS PER THOUSAND	240	OBS	QUARTERLY	SURFACE AND BOTTOM	

DATA COLLECTED: JANUARY 1965 TO DECEMBER 1972 RECEIVED: JUNE 10, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, EASTERN SHORE, YORK, RAPPAHANNOCK, JAMES, ELIZABETH RIVERS, LYNNHAVEN BAY

ABSTRACT:
RESULTS OF PESTICIDE ANALYSES PERFORMED BY THE VIRGINIA INSTITUTE OF MARINE SCIENCE AND THE VIRGINIA STATE WATER CONTROL BOARD ON OYSTERS OBTAINED FROM THE LOWER CHESAPEAKE BAY AND TRIBUTARIES ARE ON FILE AT THE BUREAU OF SHELLFISH SANITATION (ANALYSES WERE PERFORMED BY THE VIRGINIA INSTITUTE OF MARINE SCIENCE AND THE VA. STATE WATER CONTROL BOARD)

DATA AVAILABILITY:
GENERALLY AVAILABLE TO ANY CITIZEN OR AGENCY IN THE COMMONWEALTH UPON DECISION OF THE DIRECTOR

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
25 DATA SHEETS

FUNDING:
STATE OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
CLOYDE W. WILEY, DIRECTOR 804 770 7937
BUREAU OF SHELLFISH SANITATION
JAMES MADISON BLDG., 109 GOVERNOR STREET
RICHMOND VIRGINIA USA 23219

GRID LOCATOR (LAT):
[illegible]

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS			
TIME	EARTH	STATION TIME	YRD	880	OBS	MONTHLY UNTIL 1970, QUARTERLY FROM 1971-1972		1 OBS PER STATION
EDY IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PPM	880	OBS	MONTHLY UNTIL 1970, QUARTERLY FROM 1971-1972		WET WEIGHT IN OYSTER TISSUE
DDD IN BIO	WATER	GAS CHROMATOGRAPH	PPM	880	OBS	MONTHLY UNTIL		WET WEIGHT IN

128

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MATERIAL		Y			1970, QUARTERLY FROM 1971-1972		OYSTER FLESH
DDE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PPM	680 OBS	MONTHLY UNTIL 1970, QUARTERLY FROM 1971-1972		WET WEIGHT IN OYSTER FLESH
DIELDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PPM	680 OBS	MONTHLY UNTIL 1970, QUARTERLY FROM 1971-1972		WET WEIGHT IN OYSTER FLESH

HEAVY METALS MONITORING PROGRAM
DATA COLLECTED: JUNE 1974 TO PRESENT

RECEIVED: JUNE 10, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, JAMES, YORK, POTOMAC, ELIZABETH RIVERS, HILLSBY BAY

ABSTRACT:
SAMPLES OF OYSTERS ARE OBTAINED FROM FORTY STATIONS IN THE LOWER CHESAPEAKE BAY AND ITS TRIBUTARIES AND ANALYSED FOR CU, CD, ZN, HG AT SIX MONTH INTERVALS. THE PROGRAM ATTEMPTS TO MONITOR SHELLFISH CONTAMINATION IN VIRGINIA WATERS BY HEAVY METALS

DATA AVAILABILITY:
GENERALLY AVAILABLE TO ANY CITIZEN OR AGENCY IN THE COMMONWEALTH UPON DECISION OF THE DIRECTOR

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
100 DATA SHEETS PER YEAR

FUNDING:
VA DEPARTMENT OF HEALTH

INVENTORY:

PUBLICATIONS:

CONTACT:
CLOVER W. WILEY, DIRECTOR 804 770 7937
BUREAU OF SHELLFISH SANITATION
JAMES MADISON BLDG., 109 GOVERNOR STREET
RICHMOND VIRGINIA USA 23219

GRID LOCATOR (LAT):
T30768 T30778 T30788

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	40	STATIONS			
TIME	EARTH	STATION TIME	YMD	160	DBS	TWICE A YEAR		
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	160	DBS	TWICE A YEAR		3 OBS PER STATION FROM A MIXTURE OF 10 OYSTERS; WET WEIGHT IN OYSTER TISSUE
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	160	DBS	TWICE A YEAR		3 OBS PER STATION FROM A MIXTURE OF 10 OYSTERS; WET WEIGHT IN

130

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	160	OBS	TWICE A YEAR		OYSTER TISSUE 3 OBS PER STATION FROM A MIXTURE OF 10 OYSTERS; WET WEIGHT IN OYSTER TISSUE
MERCURY IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPM	36	OBS	TWICE A YEAR		SAMPLES FROM ONLY 9 STATIONS

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, EASTERN SHORE, VA TIDAL RIVERS AND BAYS

ABSTRACT:
SYSTEMS OBTAINED AT SIX MONTH INTERVALS FROM STATIONS LOCATED IN TIDAL TRIBUTARIES AND BAYS OF VIRGINIA ARE ANALYZED FOR DDT, DDD, DDE, DIELDRIN, PCB. THE DATA IS USED TO MONITOR SHELLFISH CONTAMINATION BY THE CHEMICALS.

DATA AVAILABILITY:
GENERALLY AVAILABLE TO ANY CITIZEN OR AGENCY IN THE COMMONWEALTH UPON DECISION OF THE DIRECTOR

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
20 DATA SHEETS PER YEAR

FUNDING:
STATE OF VIRGINIA

INVENTORY:

PUBLICATIONS:

CONTACT:
CLOYDE W. WILEY, DIRECTOR 804 770 7697
BUREAU OF SHELLFISH SANITATION
JAMES MADISON BLDG., 109 GOVERNOR STREET
RICHMOND VIRGINIA USA 23219

GRID LOCATOR (LAT):
T20770 T20780 T20775

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	10	STATIONS			
TIME	EARTH	STATION TIME	YRS	20	YRS	TWO SAMPLINGS PER YEAR		
DDT IN SED MATERIAL	WATER	GAS CHROMATOGRAPH V	PPB	20	YRS	TWO SAMPLINGS PER YEAR		14 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 10 SYSTEMS FROM EACH STATION; 4 STATIONS EACH SAMPLED BY ONE

1392

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DDD IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PPM	36	OBS	TWO SAMPLINGS PER YEAR	ANALYSIS OF A MIXTURE OF 10 OYSTERS FROM EACH STATION 14 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 20 OYSTERS FROM EACH STATION; 4 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 10 OYSTERS FROM EACH STATION
DDE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PPM	36	OBS	TWO SAMPLINGS PER YEAR	14 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 20 OYSTERS FROM EACH STATION; 4 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 10 OYSTERS FROM EACH STATION
DIELDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PPM	36	OBS	TWO SAMPLINGS PER YEAR	14 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 20 OYSTERS FROM EACH STATION; 4 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 10 OYSTERS FROM EACH STATION
POLYCHLORINATED BIPHENYLS IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PPM	36	OBS	TWO SAMPLINGS PER YEAR	14 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 20 OYSTERS FROM EACH STATION;

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							4 STATIONS EACH SAMPLED BY ONE ANALYSIS OF A MIXTURE OF 10 OYSTERS FROM EACH STATION

USCOE

HEAVY METALS STUDIES FOR THE E.I. DUPONT DENEMOURS AND CO. JAN 1971
DATA COLLECTED: JANUARY 1971 TO JANUARY 1971

PAGE 01

RECEIVED: AUGUST 09, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE BAY

ABSTRACT:
FINFISH, BLUE CRAB, SHRIMP, OYSTERS, MUD CRABS, MUSSELS WERE OBTAINED FROM LOCATIONS IN THE DELAWARE RIVER, NEAR DU PONT E.I. DUPONT CHAMBERS WORKS, AND WERE ANALYSED FOR HEAVY METALS. THE RESULTS ARE PRESENTED IN A REPORT WHICH IS AVAILABLE FROM E.I. DUPONT DENEMOURS AND COMPANY
(CONTRACT WORK DONE FOR E.I. DUPONT DENEMOURS AND COMPANY)

DATA AVAILABILITY:
REPORT AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 80 PAGE REPORT

FUNDING:
E.I. DUPONT DENEMOURS AND COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215 567 5700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

CWED LOCATOR (LAT):
TSYT26

PARMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	3	STATIONS			
TIME	EARTH	STATION TIME	YMD	10	DOS			
MERCURY IN BIC MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	130	DOS			FISH COLLECTED USING SEMI-BALLOON TRAWLS 10 SPECIMENS OF 4 DOMINANT SPECIES AT EACH STATION ANALYSED FOR CONCENTRATIONS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
MERCURY IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	100	OBS			IN GUT AND FLESH TISSUE CONCENTRATIONS DETERMINED IN FLESH OF BLUE CRABS, SHRIMP, OYSTERS, MUD CRABS, MUSSELS TAKEN AT EACH STATION
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	40	OBS			CONCENTRATIONS IN FLESH OF VARIOUS SPECIES OF FINFISH TAKEN AT EACH STATION
COPPER IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	20	OBS			CONCENTRATIONS IN FLESH OF SHRIMP, OYSTERS, MUSSELS
CHROMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	40	OBS			CONCENTRATIONS IN FLESH OF VARIOUS SPECIES OF FINFISH TAKEN AT EACH STATION
CHROMIUM IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	20	OBS			CONCENTRATIONS IN FLESH OF SHRIMP, OYSTERS, MUSSELS
LEAD IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	40	OBS			CONCENTRATIONS IN FLESH OF VARIOUS SPECIES OF FINFISH TAKEN AT EACH STATION
LEAD IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	20	OBS			CONCENTRATIONS IN FLESH OF SHRIMP, OYSTERS, MUSSELS
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	[illegible]	OBS			CONCENTRATIONS IN FLESH OF VARIOUS SPECIES OF FINFISH TAKEN AT EACH STATION

1981

HEAVY METALS STUDIES FOR THE E.I. DUPONT DENEMOURS AND CO. JUN 1971 (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
ZINC IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	40 DES			CONCENTRATIONS IN FLESH OF SHRIMP, SYSTEMS, SQUIDS
ALUMINUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	40 DES			CONCENTRATIONS IN FLESH OF VARIOUS SPECIES OF FINFISH TAKEN AT EACH STATION
ALUMINUM IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	UG PER G	40 DES			CONCENTRATIONS IN FLESH OF SHRIMP, SYSTEMS, SQUIDS

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND, COASTAL

ABSTRACT:
GENERAL PARASITOLOGICAL SURVEY OF HELMINTH ORGANISMS ASSOCIATED WITH WHITE PERCH, MORONE AMERICANA IN UPPER CHESAPEAKE BAY. PARASITE LOAD COMPARED TO SIZE OF HOST, AGE, AND SEX TO TEST PARASITE EFFECT ON GROWTH AND CONDITION OF HOST. FIVE LOCATIONS SAMPLED AND 273 FISH EXAMINED.
(MS THESIS, DEPARTMENT OF ZOOLOGY, 1971, B. E. BEACHAM)

DATA AVAILABILITY:
INTERLIBRARY LOAN

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
49 PAGES

FUNDING:
UNIVERSITY OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 454 3011
MCKELDIN LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
739788

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	[illegible]
POSITION	EARTH	FIXED POINT	MAP	5	STATIONS			
TIME	EARTH	STATION TIME	YMD	5	STATIONS			
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SPECIES	5	OBS			SEINE, GILLNET, TRAWL
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	SPECIES PER SAMPLE	5	OBS			SEINE, GILLNET, TRAWL
LENGTH OF DEMERSAL FISH	WATER	STANDARD LENGTH	MM	213	OBS			MORONE AMERICANA
WEIGHT OF	WATER	WET WEIGHT	GM	213	OBS			MORONE AMERICANA

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DEMERSAL FISH AGE DATING OF DEMERSAL FISH	WATER	SCALES	YEARS	213	OBS			MORONE AMERICANA
SEX DETERMINATION OF DEMERSAL FISH	WATER	VISUAL	NUMBER PER SEX PER SITE	213	OBS			MORONE AMERICANA
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH	WATER	VISUAL	INCIDENCE PER ITEM BY ORDER	213	OBS			MORONE AMERICANA
SPECIES DETERMINATION OF PARASITES	WATER	KEY	SPECIES PER HOST	213	OBS			MORONE AMERICANA
COUNT OF PARASITES	WATER	VISUAL	NUMBER PER SPECIES PER HOST	213	OBS			MORONE AMERICANA

002582

OCCURRENCE OF THE ACANTHOCEPHALAN PARASITE, TELOSENTIS TENUICORNUS (LINTON), IN THE SPOT, LEIOSTOMUS XANTHURUS, IN CHESAPEAKE BAY
DATA COLLECTED: JULY 1958 TO OCTOBER 1959

RECEIVED: AUGUST 09, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, MARYLAND, SOLOMONS, COASTAL

ABSTRACT:
DESCRIPTIVE SURVEY OF THE INCIDENCE OF A PARTICULAR PARASITE IN SPOT NEAR SOLOMONS, MARYLAND. CORRELATE INFESTATION WITH FISH SIZE, WEIGHT, AND AGE. FOOD HABITS DESCRIBED TO TRACK DOWN INTERMEDIATE HOST.
(MS THESIS 1961 BY HARRY W. HUIZINGA, SPECIMENS COLLECTED FROM CBL FISH SURVEY CRUISES)

DATA AVAILABILITY:
INTERLIBRARY LOAN

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
36 PAGES

FUNDING:
MARYLAND DEPARTMENT OF NATURAL RESOURCES

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 454 3011
MCKELDIN LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
730788

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	10	STATIONS			
TIME	EARTH	STATION TIME	YMD	10	STATIONS			
LENGTH OF DEMERSAL FISH	WATER	TOTAL LENGTH	MM	272	OBS			LEIOSTOMUS XANTHURUS, DATA GIVEN AS LENGTH FREQUENCY
LENGTH OF DEMERSAL FISH	WATER	FORK LENGTH	MM	272	OBS			LEIOSTOMUS XANTHURUS, DATA GIVEN AS LENGTH

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
LENGTH OF DEMERSAL FISH	WATER	STANDARD LENGTH	MM	272	OBS			FREQUENCY LEIOSTOMUS XANTHURUS, DATA GIVEN AS LENGTH FREQUENCY
WEIGHT OF DEMERSAL FISH	WATER	WET WEIGHT	GM	272	OBS			
AGE DATING OF DEMERSAL FISH	WATER	SCALES	YEARS	272	OBS			
STOMACH CONTENT ANALYSIS OF DEMERSAL FISH	WATER	VISUAL	INCIDENCE BY ORDER OF PREY	272	OBS			
SPECIES DETERMINATION OF PARASITES	WATER	KEY	NUMBER OF SPECIES PER HOST	272	OBS			LEIOSTOMUS XANTHURUS
COUNT OF PARASITES	WATER	VISUAL	NUMBER PER HOST	272	OBS			ACANTHOCEPHALAN PARASITE, TELOSENTIS TENUICORNIS

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATUXENT RIVER, COASTAL

ABSTRACT:
BACTERIAL FLORA IN WHITE PERCH, MORONE AMERICANUS, NEAR SOLOMONS, MARYLAND WERE SURVEYED IN 42 SPECIMENS. EXAMINED LIVER, SPLEEN, KIDNEY, INTESTINE, AND BLOOD. SPECIES LIST, LOCATION IN HOST, AND INCIDENCE PRESENTED. EVALUATED TOXICITY OF ISOLATED BACTERIA IN LAB EXPERIMENTS ALSO.
(MS THESIS, 1966 BY N. E. ALLEN)

DATA AVAILABILITY:
INTERLIBRARY LOAN

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
114 PAGES

FUNDING:
UNIVERSITY OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 454 3011
MCKELDIN LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
730700

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	3 STATIONS			
TIME	EARTH	STATION TIME	YMD	3 STATIONS			
SPECIES DETERMINATION OF MICROBIOTA	WATER	KEY	SPECIES PER HOST AND PER ORGAN	42 CMS			EXAMINED MORONE AMERICANUS, LIVER, SPLEEN, KIDNEY, BLOOD, INTESTINE

142

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, PATAPSCO RIVER, COASTAL

ABSTRACT:
ANALYSIS OF OYSTER MEATS FROM PATAPSCO RIVER, MARYLAND FOR GOLD AND MERCURY BY NEUTRON ACTIVATION ANALYSIS. SINGLE STATION SOURCE OF OYSTERS. PROGRAM INTENT WAS TO PROVIDE BASELINE DATA AND EVALUATE ANALYTIC TECHNIQUE. DATA FILE INCLUDES ENERGY SPECTRA FOR EACH SAMPLE.
(MS THESIS, U. T. MDNR, 197:)

DATA AVAILABILITY:
INTERLIBRARY LOAN

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
97 PAGES

FUNDING:
UNIVERSITY OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 454 3011
MCKELDIN LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GRID LOCATOR (LAT):
730706

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	1	STATIONS			
TIME	EARTH	STATION TIME	YMD	1	STATIONS			
GOLD IN BIO MATERIAL	WATER	GAMMA RAY SPECTROMETRY	PPM DRY WEIGHT	14	OBS			OYSTER MEAT
MERCURY IN BIO MATERIAL	WATER	GAMMA RAY SPECTROMETRY	PPB DRY WEIGHT	14	OBS			OYSTER MEAT

DETERMINATION OF CADMIUM IN OYSTERS
DATA COLLECTED: JUNE 1969 TO OCTOBER 1970

RECEIVED: SEPTEMBER 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., CHESAPEAKE BAY, COASTAL

ABSTRACT:
SAMPLES OF OYSTERS TAKEN FROM 4 SITES IN MARYLAND WATERS ANALYZED FOR CADMIUM. INTENT OF STUDY WAS TO PROVIDE BASELINE DATA AND EVALUATE TECHNIQUE FOR ANALYSIS.
(MS THESIS BY P.M. BRANNON, 1971, DEPARTMENT OF CIVIL ENGINEERING)

DATA AVAILABILITY:
INTERLIBRARY LOAN

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
45 PAGES

FUNDING:
UNIVERSITY OF MARYLAND

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 301 454 3011
SKELDING LIBRARY
UNIVERSITY OF MARYLAND
COLLEGE PARK MARYLAND USA 20742

GEO LOCATION (LAT):
TEXT00

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	4	STATIONS			
TIME	EARTH	STATION TIME	YRD	4	STATIONS			
CADMIUM IN BIO MATERIAL	SOTTEN	ATOMIC ABSORPTION SPECTROMETRY	PPM WET WEIGHT	16	OBS			OYSTERS ANALYZED
WEIGHT OF BENTHIC ANIMALS	SOTTEN	WET WEIGHT	GM	16	OBS			OYSTERS, MEAT ONLY

003430

A SURVEY OF DEAD ORGANISMS ON CHESAPEAKE BEACHES IN THE VICINITY OF CALVERT CLIFFS, MARYLAND

DATA COLLECTED: SEPTEMBER 1968 TO DECEMBER 1972

RECEIVED: SEPTEMBER 04, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, COASTAL

ABSTRACT:
A MONTHLY SURVEY WAS CONDUCTED TO DETERMINE THE NUMBER OF DEAD ORGANISMS OCCURRING ON BEACHES IN THE VICINITY OF THE PROPOSED CALVERT CLIFFS NUCLEAR GENERATING STATION
(CONTRACT WORK DONE FOR THE BALTIMORE GAS AND ELECTRIC COMPANY)

DATA AVAILABILITY:
REPORT AVAILABLE ONLY FROM CONTRACT AGENCY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 10 PAGE REPORT

FUNDING:
BALTIMORE GAS AND ELECTRIC COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. CLYDE E. GOULDEN 215 567 3700
THE ACADEMY OF NATURAL SCIENCES
NINETEENTH AND THE PARKWAY
PHILADELPHIA PENNSYLVANIA USA 19103

GRID LOCATOR (LAT):
730788

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP	4	STATIONS,			
TIME	EARTH	STATION TIME	YMD	35	OBS	MONTHLY		NO OBS 196911 TO 197101
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES	35	OBS	MONTHLY		NUMBER AND TYPE OF DEAD ANIMALS OBSERVED TO BE STRANDED ALONG SECTIONS OF SHORELINE, BETWEEN THE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MORTALITY OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SPECIES	36	BWS	MONTHLY	HIGHEST WATER MARK AND THE WATERS EDGE NUMBER AND TYPE OF DEAD ANIMALS OBSERVED TO BE STRANDED ALONG SECTIONS OF SHORELINE, BETWEEN THE HIGHEST WATER MARK AND THE WATERS EDGE

CONOWINGO DAM FISH COLLECTION
DATA COLLECTED: APRIL 1972 TO PRESENT

RECEIVED: JANUARY 01, 1978

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., CHESAPEAKE BAY, SUSQUEHANNA RIVER, CONOWINGO DAM

ABSTRACT:
THE CONOWINGO DAM FISH COLLECTION FACILITY ON THE SUSQUEHANNA RIVER WAS CONSTRUCTED TO DETERMINE THE NUMBER OF AMERICAN SHAD AVAILABLE BELOW CONOWINGO DAM. THE FISH TAKEN IN EACH LIFT ARE IDENTIFIED TO SPECIES, COUNTED, MEASURED AND WEIGHED. SOME SPECIES ARE AGED. ANCILLARY OBSERVATIONS ON DAM OPERATING CONDITIONS INCLUDE, NUMBER OF SMALL AND LARGE GENERATORS OPERATING, NUMBER OF SPILL GATES OPEN, GATE OPENING OF STATION SERVICE UNITS, TAILRACE ELEVATION, DEPTH BELOW TAILRACE WEIR GATES, ATTRACTION VELOCITY WEIR GATES, VELOCITY IN HOLDING CHANNEL, HOLDING CHANNEL ELEVATION, CROWDER FISHING POSITION, CROWDER GATE POSITION, TIME OF SET AND LIFT. (SUMMARY OF AMERICAN SHAD DATA IN THREE ANNUAL REPORTS, 1972-1975).
(SUMMARY OF AMERICAN SHAD DATA IN THREE ANNUAL REPORTS, 1972-74.)

DATA AVAILABILITY:
NEED PERMISSION OF SUSQUEHANNA RIVER SHAD ADVISORY COMMITTEE AND PHILADELPHIA ELECTRIC COMPANY

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS; PUNCHED CARDS
1972-1974 DATA: 3600 DATA SHEETS, 10000 PUNCHED CARDS. 1975 DATA: 1000 DATA SHEETS.

FUNDING:
PHILADELPHIA ELECTRIC COMPANY

INVENTORY:

PUBLICATIONS:

CONTACT:
TIMOTHY W ROBBINS PHD 717 548 2121
ICHTHYOLOGICAL ASSOCIATES
2630 ROYAL ROAD
LANCASTER PENNSYLVANIA USA 17518

GRID LOCATOR (LAT):
730T98

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YRDHM	3618	OBS	DAILY OBSERVATIONS MADE FOR EACH LIFT		
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG F	3618	OBS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG F	3618	OBS		SURFACE TO BOTTOM	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
PRESSURE	AIR	MERCURY BAROMETER	INCHES	3618	OBS	EACH LIFT OBSERVATIONS MADE FOR EACH LIFT		
WEATHER	AIR	VISUAL	CATEGORY OF ACTIVITY	3618	OBS	EACH LIFT OBSERVATIONS MADE FOR EACH LIFT		
WATER TRANSPORT	WATER	CALCULATED	CUBIC FEET PER SECOND	3610	OBS	DAILY		MEAN DAILY FLOW
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	VISUAL	3618	OBS	OBSERVATIONS MADE FOR EACH LIFT		TOTAL OR SUBSAMPLE
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY	VISUAL	3618	OBS	OBSERVATIONS MADE FOR EACH LIFT		TOTAL OR SUBSAMPLE
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER	3618	OBS	OBSERVATIONS MADE FOR EACH LIFT		TOTAL OR SUBSAMPLE
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER	3618	OBS	OBSERVATIONS MADE FOR EACH LIFT		TOTAL OR SUBSAMPLE
LENGTH OF PELAGIC FISH	WATER	FORK LENGTH	MILIMETERS	23000	OBS	OBSERVATIONS MADE FOR EACH LIFT		TOTAL OR SUBSAMPLE
LENGTH OF DEMERSAL FISH	WATER	FORK LENGTH	MILIMETERS	23000	OBS	OBSERVATIONS MADE FOR EACH LIFT		TOTAL OR SUBSAMPLE
LENGTH/WEIGHT RATIO IN PELAGIC FISH	WATER	DIRECT		3300	OBS	OBSERVATIONS MADE FOR EACH LIFT		NOT ON DATA BASE
LENGTH/WEIGHT RATIO IN DEMERSAL FISH	WATER	DIRECT		3300	OBS	OBSERVATIONS MADE FOR EACH LIFT		NOT ON DATA BASE
AGE DATING OF PELAGIC FISH	WATER	SCALES		3300	OBS	OBSERVATIONS MADE FOR EACH LIFT		NOT ON DATA BASE
AGE DATING OF DEMERSAL FISH	WATER	SCALES		3300	OBS	OBSERVATIONS MADE FOR EACH LIFT		NOT ON DATA BASE

002975

INTAKE SCREEN SURVEY DATA
DATA COLLECTED: JULY 1973 TO PRESENT

PAGE 51
RECEIVED: NOVEMBER 04, 1983

PROJECTS:
DELAWARE RIVER ANADROMOUS FISHERIES STUDY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE RIVER BASIN

ABSTRACT:
BIWEEKLY IDENTIFICATION, COUNT AND TOTAL LENGTH OF FISH CAUGHT IN INDUSTRIAL AND POWER PLANT INTAKE SCREENS ALONG THE DELAWARE RIVER. DATA INCLUDES TEMPERATURE AND DISSOLVED OXYGEN OBSERVATIONS.
(SAMPLES TAKEN BIWEEKLY FROM 6 POWER AND INDUSTRIAL PLANT INTAKE SCREENS)

DATA AVAILABILITY:
COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
500 DATA SHEETS

FUNDING:
ANADROMOUS FISH ACT PL. 89-304.

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH P. MILLER 609 397 0115
DELAWARE RIVER BASIN,ANADROMOUS FISHERIES STUDY
P.O. BOX 95
ROSEMONT NEW JERSEY USA 08556

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	6	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	6	OBS	BIWEEKLY		INDUSTRIAL AND POWER PLANT INTAKE SCREENS
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		6	OBS	BIWEEKLY		INDUSTRIAL AND POWER PLANT INTAKE SCREENS
COUNT OF PELAGIC FISH	WATER	VISUAL		6	OBS	BIWEEKLY		INDUSTRIAL AND POWER PLANT

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MILLIMETER	6	085	BIWEEKLY		INTAKE SCREENS MENSUREMENTS MADE ON SUBSAMPLE ONLY
TOTAL OXIDANTS	WATER	COLORIMETRY	PARTS PER MILLION	6	085	HOURLY SUBSURFACE AND SURFACE AT TIME OF SAMPLE		INDUSTRIAL AND POWER PLANT INTAKE SCREENS
TEMPERATURE	WATER	THERMISTOR	DEG F	6	085	HOURLY SUBSURFACE AND SURFACE AT TIME OF SAMPLE		INDUSTRIAL AND POWER PLANT INTAKE SCREENS

603172

ROLE OF SEWAGE EFFLUENT AND HEAVY METALS INTO MARINE ECOSYSTEMS
DATA COLLECTED: JANUARY 1972 TO AUGUST 1976

RECEIVED: FEBRUARY 07, 1978

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, CALICO CREEK

ABSTRACT:
SURVEY OF THE EFFECTS OF SEWAGE EFFLUENTS AND HEAVY METALS ON AGRICULTURAL AND MARINE ECOSYSTEMS OF NORTH CAROLINA (INTENSIVE SURVEY OF 15 STATIONS ON CALICO CREEK AND STATIONS IN 20 OTHER COASTAL CITIES.)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS; DATA SHEETS
200 PAGES

FUNDING:
UNIVERSITY OF NORTH CAROLINA; NORTH CAROLINA OFFICE OF WATER RESOURCES RESEARCH PROGRAM

INVENTORY:

PUBLICATIONS:

CONTACT:
RICHARD BARBER 919 728 2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT NORTH CAROLINA USA 28516

GRID LOCATOR (LAT):
730748 730747 730746 730756 730755 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	35 STATIONS			LATITUDE & LONGITUDE
TIME	EARTH	STATION TIME	YMD	35 STATIONS	BIANNUAL		
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
CADMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
SELENIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
LEAD	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
COPPER	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
CHROMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
NICKEL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
MERCURY	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
CADMIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
SELENIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
LEAD	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
COPPER	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
ZINC	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
CHROMIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
NICKEL	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OUTFALL PIPE
MERCURY IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OYSTERS, LITTERINA, NASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OYSTERS, LITTERINA, NASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS
SELENIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OYSTERS, LITTERINA, NASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS
LEAD IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35 STATIONS	BIANNUAL		OYSTERS, LITTERINA, NASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS
COPPER IN BIO	WATER	ATOMIC ABSORPTION	PPB	35 STATIONS	BIANNUAL		OYSTERS,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MATERIAL		SPECTROMETRY					
ZINC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35	STATIONS	BIANNUAL	LITTORINA, MASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS OYSTERS, LITTORINA, MASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS OYSTERS, LITTORINA, MASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS OYSTERS, LITTORINA, MASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS OYSTERS, LITTORINA, MASSERIA, SPARTINA, ULVA, UCA, MULLET, PENEAUS
IRON IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35	STATIONS	BIANNUAL	
CHROMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35	STATIONS	BIANNUAL	
NICKEL IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	35	STATIONS	BIANNUAL	
PRECIPITATION AMOUNT	AIR	RAIN GAGE	INCHES	35	STATIONS	BIANNUAL	
WATER TRANSPORT	WATER	FLOW METER		35	STATIONS	BIANNUAL	
PARTICULATE MATTER	WATER	GRAVIMETRY		35	STATIONS	BIANNUAL	

003173 HEAVY METALS IN COASTAL FISHES OF NORTH CAROLINA PAGE 01
DATA COLLECTED: JANUARY 1972 TO PRESENT RECEIVED: FEBRUARY 07, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
HEAVY METAL SURVEY OF NORTH CAROLINA COASTAL FISHES

DATA AVAILABILITY:
NO RESTRICTIONS

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
900 PAGES

FUNDING:
NSFI AND DUKE U.

INVENTORY:

PUBLICATIONS:

CONTACT:
RICHARD BARBER 919 728 2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT NORTH CAROLINA USA 28516

GRID LOCATOR (LAT):
730760 730765 730755 730756 730746 730747 730748

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	1 STATIONS			LATITUDE AND LONGITUDE
TIME	EARTH	STATION TIME	YMD	1 STATIONS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		1 STATIONS			50 BLUEFISH, 100 SPINY DOGFISH, 100 FALSE ALBACORE, 100 MOLOMOLA, 100 CONGERS, 100 AMBERJACK, 100 KING MACKEREL, 300 LAGODON RHOMBOIDES
LENGTH OF	WATER	STANDARD LENGTH	MM	1 STATIONS			50 BLUEFISH,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	WEIGHT/DEPTH	REMARKS
PELAGIC FISH							100 SPINY DOGFISH, 100 FALSE ALBACORE, 100 MOLOMOLA, 100 CONGERS, 100 AMBERJACK, 100 KING MACKEREL, 200 LAGODON RHOMBOIDES
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	GRAMS	1	STATIONS		50 BLUEFISH, 100 SPINY DOGFISH, 100 FALSE ALBACORE, 100 MOLOMOLA, 100 CONGERS, 100 AMBERJACK, 100 KING MACKEREL, 200 LAGODON RHOMBOIDES
COPPER IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPT	1	STATIONS		AXAL AND LATERAL MUSCLE, LIVER, KIDNEY, BRAIN TISSUE
MANGANESE IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPT	1	STATIONS		AXAL AND LATERAL MUSCLE, LIVER, KIDNEY, BRAIN TISSUE
MERCURY IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPT	1	STATIONS		AXAL AND LATERAL MUSCLE, LIVER, KIDNEY, BRAIN TISSUE

003182 PARASITES OF THE COASTAL PLAINS (CRUSTACEANS, FISH, AND MAMMALS) IN NORTH CAROLINA

DATA COLLECTED: JUNE 1969 TO PRESENT RECEIVED: FEBRUARY 07, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, COASTAL PLAIN TO OCEAN

ABSTRACT:
GENERAL SURVEY OF COASTAL PLAIN AQUATIC ANIMAL PARASITES OF NORTH CAROLINA. HOSTS INCLUDE AMPHIPODS, CRABS, DEMERSAL FISH AND WHALES.
(GENERAL SURVEY OF ANIMALS, CATALOGING PARASITE INCIDENCE WITH HABITAT)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
20,000 PAGES

FUNDING:
DUKE U.

INVENTORY:

PUBLICATIONS:

CONTACT:
CHARLES JOHNSON 919 728 2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT NORTH CAROLINA USA 28516

GRID LOCATOR (LAT):
730755 730756 730757 730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	20	STATIONS			LATITUDE AND LONGITUDE
TIME	EARTH	STATION TIME	YMD	20	STATIONS			
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY		20	STATIONS			25 SPECIES
COUNT OF DEMERSAL FISH	WATER	VISUAL	NUMBER/STATION	20	STATIONS			25 SPECIES
LENGTH OF DEMERSAL FISH	WATER	STANDARD LENGTH		20	STATIONS			25 SPECIES
SEX DETERMINATION OF DEMERSAL	WATER	VISUAL	NUMBER AND RATIO	20	STATIONS			25 SPECIES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
FISH								
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		20	STATIONS			AMPHIPODS AND CRABS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/STATION	20	STATIONS			AMPHIPODS AND CRABS
SEX DETERMINATION OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER AND RATIO	20	STATIONS			AMPHIPODS AND CRABS
SPECIES DETERMINATION OF MAMMALS	WATER	KEY		20	STATIONS			WHALES
COUNT OF MAMMALS	WATER	VISUAL	NUMBER/STATION	20	STATIONS			WHALES
SEX DETERMINATION OF MAMMALS	WATER	VISUAL	NUMBER AND RATIO	20	STATIONS			WHALES
SPECIES DETERMINATION OF PARASITES	WATER	KEY	SPECIES/ORGAN/HOST	20	STATIONS			INTERNAL AND EXTERNAL
COUNT OF PARASITES	WATER	VISUAL	NUMBER/SPECIES/ORGAN/HOST	20	STATIONS			INTERNAL AND EXTERNAL

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, ALBEMARLE SOUND.

ABSTRACT:
CONTINUING SURVEY OF ACANTHECEPHALAN PARASITES OF STRIPED BASS IN ALBEMARLE SOUND.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
10,000 SHEETS

FUNDING:
DUKE U.

INVENTORY:

PUBLICATIONS:

CONTACT:
CHARLES JOHNSON 919 728 2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT NORTH CAROLINA USA 28516

GRID LOCATOR (LAT):
730768

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	20	STATIONS			LATITUDE AND LONGITUDE
TIME	EARTH	STATION TIME	YMD	20	STATIONS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		20	STATIONS	MONTHLY		STRIPED BASS
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER/STATION	20	STATIONS	MONTHLY		STRIPED BASS
SPECIES DETERMINATION OF PARASITES	WATER	KEY		20	STATIONS	MONTHLY		ACANTHECEPHALAN
COUNT OF PARASITES	WATER	VISUAL	NUMBER/SPECIES/ HOST	20	STATIONS	MONTHLY		ACANTHECEPHALAN
LENGTH OF PELAGIC FISH	WATER	STANDARD LENGTH		20	STATIONS	MONTHLY		STRIPED BASS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SEX DETERMINATIO N OF PELAGIC FISH	WATER	VISUAL		20 STATIONS	MONTHLY		STRIPED BASS
LENGTH OF PARASITES	WATER	DIRECT	MM	20 STATIONS	MONTHLY		ACANTHECEPHALAN
SEX DETERMINATIO N OF PARASITES	WATER	VISUAL		20 STATIONS	MONTHLY		ACANTHECEPHALAN

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA, ALBERMARLE SOUND AND NEUSE RIVER

ABSTRACT:
CONTINUING SURVEY OF AMPHIPOD (GAMMEROUS) PARASITES (ACANTHECEPHALA) IN ALBERMARLE SOUND AND THE NEUSE RIVER, NORTH CAROLINA.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
20,000 SHEETS

FUNDING:
DUKE U.

INVENTORY:

PUBLICATIONS:

CONTACT:
CHARLES JOHNSON 919 728 2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT NORTH CAROLINA USA 28516

GRID LOCATOR (LAT):
730757 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	4	STATIONS			LATITUDE AND LONGITUDE
TIME	EARTH	STATION TIME	YMD	4	DBS	MONTHLY		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		4	DBS	MONTHLY		AMPHIPOD GAMMEROUS DAIGERI, TIGORNIES, FASCISTINS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/SPECIES/ STATION	30000	DBS	MONTHLY		AMPHIPOD GAMMEROUS DAIGERI, TIGORNIES, FASCISTINS
SEX DETERMINATION OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER AND RATIO	3000	DBS	MONTHLY		STARTED 1974

160

003184

AMPHIPOD PARASITES IN COASTAL NORTH CAROLINA (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF PARASITES	WATER	KEY	NUMBER/SPECIES/ HOST	20000	OBS	MONTHLY		ACANTHOCEPHALAN
COUNT OF PARASITES	WATER	VISUAL	NUMBER/SPECIES/ HOST	20000	OBS	MONTHLY		ACANTHOCEPHALAN
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	4	STATIONS	MONTHLY	SURFACE	TAKEN MONTHLY AT FORT LANDING, NC
SALINITY	WATER	INDEX OF REFRACTION	PPT	4	STATIONS	MONTHLY	SURFACE	TAKEN MONTHLY AT FORT LANDING, NC

EFFECT OF SOIL DISPOSAL ON BENTHIC COMMUNITIES
DATA COLLECTED: DECEMBER 1971 TO JUNE 1972 RECEIVED: OCTOBER 11, 1974

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., COASTAL, DELAWARE, LEWES

ABSTRACT:
THE PURPOSE OF THIS STUDY WAS TO EVALUATE THE GROSS (COMMUNITY DISRUPTION, MORTALITY) BIOLOGICAL EFFECTS OF DREDGING AND OVERBOARD SPOIL DISPOSAL IN THE BREAKWATER HARBOR, LEWES, DELAWARE, ON BENTHIC MARINE INVERTEBRATES. THE STUDY CONSISTED OF THREE ASPECTS: 1) PHYSICAL OCEANOGRAPHY AND AERIAL PHOTOGRAPHY, 2) MARINE GEOLOGY, AND 3) MARINE BIOLOGY. SPECIFIC OBJECTIVES WERE: 1) TO DETERMINE THE RELATIVELY SHORT-TERM DISPERSION OF SPOILS FROM DREDGING, AND 2) TO DETERMINE THE SHORT-TERM BIOLOGICAL EFFECT OF SPOIL DISPOSAL FROM DREDGING. THERE WERE 103 STATIONS WITHIN THE STUDY AREA WHICH WERE SAMPLED THREE TIMES: DECEMBER 1971, MARCH 1972 AND JUNE 1972. THE PARAMETERS DETERMINED IN THE STUDY AREA ARE CURRENT SPEED AND DIRECTION, SPECIES DETERMINATION AND COUNT OF BENTHIC ANIMALS, SALINITY, TEMPERATURE, DISSOLVED OXYGEN, EH, SIZE ANALYSIS OF SEDIMENTS, BIOMASS OF BENTHIC ANIMALS AND SECCHI DISC DEPTH.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
THE DATA OCCURS IN A REPORT WHICH IS 231 PAGES IN LENGTH.

FUNDING:
NOAA OFFICE OF SEA GRANT NO. 2-35223

INVENTORY:

PUBLICATIONS:
MAURER, D., ET. AL., 1974. EFFECT OF SPOIL DISPOSAL ON BENTHIC COMMUNITIES NEAR THE MOUTH OF DELAWARE BAY, COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE, 231 PP.

CONTACT:
DR. DON MAURER 302 738 2560
COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
T30705

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	RADAR	DMT	103	STATIONS			
TIME	EARTH	STATION TIME	HRSM	103	STATIONS			
SIZE ANALYSIS	SEDIMENT	SIEVE		103	STATIONS			
CURRENT DIRECTION	WATER	DYE STUDY		7	STATIONS		1 AND 2 METERS BELOW SURFACE	CURRENT STUDIES DONE ON JANUARY 8 AND 9, 1972

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
CURRENT SPEED	WATER	DYE STUDY		7	STATIONS		1 AND 2 METERS BELOW SURFACE	CURRENT STUDIES DONE ON JANUARY 6 AND 7, 1972
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER/ONE-TENTH OF A SQUARE METER	277	OBS			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		277	OBS			115 SPECIES IDENTIFIED
TEMPERATURE	WATER	REVERSING THERMOMETER	DEG C	103	STATIONS			
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	103	STATIONS			
SALINITY	WATER	CONDUCTIVITY	PPT	103	STATIONS			
SECCHI DISC DEPTH	WATER	DISAPPEARING DEPTH	CENTIMETERS	103	STATIONS			
TEMPERATURE	SEDIMENT	MERCURY THERMOMETER	DEG C	103	STATIONS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT		103	STATIONS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT		103	STATIONS			
EH	INTERSTITIAL	SPECIFIC ION ELECTRODE		103	STATIONS			
CURRENT DIRECTION	WATER	DRIFT DEVICE		7	STATIONS			
CURRENT SPEED	WATER	DRIFT DEVICE		7	STATIONS			

003292 A REPORT ON THE COOPERATIVE BLUE CRAB STUDY-SOUTH ATLANTIC STATES PAGE 01
DATA COLLECTED: MARCH 1969 TO DECEMBER 1969 RECEIVED: MARCH 13, 1975

PROJECTS:
COOPERATIVE BLUE CRAB STUDY-SOUTH ATLANTIC STATES

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NORTH CAROLINA TO FLORIDA, COASTAL

ABSTRACT:
A STUDY TO DETERMINE CAUSES OF BLUE CRAB MORTALITIES IN THE SOUTH ATLANTIC STATES. HYDROLOGICAL CHARACTERISTICS, DISEASES, PARASITES, AND RESIDUAL PESTICIDES ARE FACTORS CONSIDERED.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 32 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
ROBERT K. MAHOOD 912 265 1550
GEORGIA GAME AND FISH COMMISSION
COASTAL FISHERIES DIVISION
BRUNSWICK GEORGIA USA 31520

GRID LOCATOR (LAT):
720759 720739 720779 720789 720850 720860 720870 720880 720890 720891 730729 730737 730738 730739 730745 730746 730747 730755
730765 730800 730801 730810 730811 730820

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	20	STATIONS			
TIME	EARTH	STATION TIME	YMD	20	OBS	MONTHLY		
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	20	OBS	MONTHLY	BOTTOM	
DISSOLVED OXYGEN GAS	WATER	TITRATION	PARTS PER MILLION	20	OBS	MONTHLY	BOTTOM	WINKLER
PH	WATER	PH METER		20	OBS	MONTHLY		
SALINITY	WATER	INDEX OF REFRACTION-	PARTS PER THOUSAND	20	OBS	MONTHLY		
SECCHI DISC DEPTH	WATER	DISAPPEARING DEPTH	CENTIMETERS	20	OBS	MONTHLY		
CHLORINATED HYDROCARBONS	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION	20	OBS	MONTHLY		ALDRIN, LINDANE,

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
IN BIO MATERIAL							DIELDRIN, DDT, DDE, DDD, ENDRIN, HEPTACHLOR EPOXIDE, METHOXYCHLOR, MIREX, TOXAPHENE, CHLORDANE WERE ANALYZED IN TISSUES OF BLUE CRABS
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		20 OBS	MONTHLY		BLUE CRABS CAPTURED FOR PESTICIDE, DISEASE, PARASITE, AND LABORATORY ANALYSIS
SPECIES DETERMINATION OF PARASITES	WATER	KEY		20 OBS	MONTHLY		FOUND ON BLUE CRABS
COUNT OF PARASITES	WATER	VISUAL		20 OBS	MONTHLY		FOUND ON BLUE CRABS

PROJECTS:
ANADROMOUS FISHERIES SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA TO VIRGINIA

ABSTRACT:
A SURVEY TO INVESTIGATE THE OCCURRENCE OF BACK RUNNING AND YOUNG-OF-THE-YEAR ANADROMOUS FISHES IN THE ATLANTIC OCEAN FROM CAPE LOOKOUT, NORTH CAROLINA TO CAPE HENRY, VIRGINIA. ALSO CERTAIN BIOLOGICAL CHARACTERISTICS, DISTRIBUTION, AND FOREIGN FISHERY AFFECTS ON ANADROMOUS FISHES ARE SURVEYED ALONG WITH TAGGING STUDIES OFFSHORE TO DETERMINE MIGRATION AND COMPARATIVE UTILIZATION OF THE HIGH SEAS FOREIGN FISHERY AND INSHORE DOMESTIC FISHERY.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 10 PAGE REPORT

FUNDING:
NOAA NMFS; US BSFW

INVENTORY:

PUBLICATIONS:

CONTACT:
EDWARD G. MCCOY 919 726 7021
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O. BOX 769
MOOREHEAD CITY NORTH CAROLINA USA 28557

GRID LOCATOR (LAT):
730765 730755 730745 730746 730747 730774 730775 730776 730754 730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	2	STATIONS.			
TIME	EARTH	STATION TIME	YMD	2	OBS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		2	OBS	MONTHLY		
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES	2	OBS	MONTHLY		
SEX DETERMINATION OF PELAGIC FISH	WATER	VISUAL		2	OBS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	WEIGHT/DEPTH	REMARKS
GONADAL DEVELOPMENT OF PELAGIC FISH	WATER	GROSS EXAMINATION		2	OBS	MONTHLY		
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MILLIMETERS	2	OBS	MONTHLY		
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	GRAMS	2	OBS	MONTHLY		
AGE DATING OF PELAGIC FISH	WATER	SCALES	YEARS	2	OBS	MONTHLY		
TEMPERATURE	WATER	THERMISTOR	DEG C	2	OBS	MONTHLY		
MIGRATION STUDY OF PELAGIC FISH	WATER	TAGGING STUDIES		2	OBS	MONTHLY		

003380 HEAVY METAL SURVEY OF SEAFISH FROM NORTH CAROLINA COASTAL WATERS PAGE 01
DATA COLLECTED: JANUARY 1972 TO OCTOBER 1972 RECEIVED: MARCH 24, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
MONITORING OF COMMERCIAL AND GAME FISH FOR MERCURY, LEAD, CADNIUM AND ARSENIC.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
DATA SHEETS
120 PAGES

FUNDING:
NC DOA

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. W.Y. COBB, DIRECTOR 919 829 7366
FOOD AND DRUG PROTECTION DIVISION, NORTH CAROLINA DEPARTMENT OF AGRICULTURE.
P.O. BOX 27647
RALEIGH NORTH CAROLINA USA 27611

GRID LOCATOR (LAT):
730706 730756 730746 730747 730737 730738 730755

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	10	STATIONS			
TIME	EARTH	SAMPLING TIME	YMD	10	OBS			
MERCURY IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	10	OBS			
LEAD IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	10	OBS			
CADMIUM IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	10	OBS			
ARSENIC IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PARTS PER MILLION	10	OBS			

1138

DATA COLLECTED: MARCH 1970 TO JULY 1971 RECEIVED: MAY 30, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NORTH CAROLINA

ABSTRACT:
A STUDY OF MONOGENETIC TREMATODES PARASITIC ON SUNFISHES, FAMILY CENTRARCHIDAE. STUDY INCLUDES SPECIES DETERMINATION OF SUNFISHES AND THEIR GILL PARASITES. MORPHOMETRIC MEASUREMENT OF PARASITES ALSO RECORDED.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
THIRTY-SEVEN PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
HAYES, M.A. 1972. MONOGENETIC TREMATODES OF SOME NORTH CAROLINA CENTRARCHIDS. M.S. THESIS

CONTACT:
LIBRARIAN 919 737 3364
NORTH CAROLINA STATE UNIVERSITY
D.H. HILL LIBRARY
RALEIGH NORTH CAROLINA USA 27607

GRID LOCATOR (LAT):
730766 730767 730768 730769 730755 730756 730757 730758 730759 730746 730747 730748 730749

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	6	STATIONS			
TIME	EARTH	STATION TIME	YMD	6	STATIONS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		6	STATIONS	MONTHLY		SUNFISHES OF FAMILY CENTRARCHIDAE
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES	6	STATIONS	MONTHLY		SUNFISHES COLLECTED BY SEINE, TRAP, GILL NET, AND CHEMICALS
SPECIES DETERMINATION	WATER	KEY		6	STATIONS	MONTHLY		MONOGENETIC TREMATODES

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF PARASITES							
COUNT OF PARASITES	WATER	VISUAL		0 STATIONS	MONTHLY		MONOGENETIC TREMATODES
MORPHOMETRIC MEASUREMENT OF PARASITES	WATER	DIRECT	MILLIMETERS	0 STATIONS	MONTHLY		MONOGENETIC TREMATODES

OFFSHORE STUDIES OF ANADROMOUS FISH OFF NORTH CAROLINA
DATA COLLECTED: JANUARY 1974 TO JUNE 1974

RECEIVED: APRIL 02, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
A STUDY IN 1974 TO DETERMINE WHEN BACK RUNNING AND YOUNG-OF-THE YEAR ANADROMOUS FISH LEAVE THE ALBEMARLE SOUND AREA OF NORTH CAROLINA AND ENTER THE ATLANTIC OCEAN. ALSO BIOLOGICAL CHARACTERISTICS, SUCH AS: SPECIES, SEX, YEAR-CLASS COMPOSITION, LENGTH AND WEIGHT ARE DETERMINED. FISHING ACTIVITIES OF FOREIGN VESSELS OFF NORTH CAROLINA HAVE BEEN MONITORED. TAGGING STUDIES OF OFFSHORE ANADROMOUS FISH WERE ALSO CONDUCTED.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 40 PAGE REPORT

FUNDING:
NOAA NMFS

INVENTORY:

PUBLICATIONS:

CONTACT:
EDWARD G. MCCOY 919 726 7021
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O. BOX 769
MOOREHEAD CITY NORTH CAROLINA USA 28557

GRID LOCATOR (LAT):
730737 730738 730745 730746 730747 730754 730755 730756 730765 730766

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	1	STATIONS			
TIME	EARTH	STATION TIME	YMD	1	STATIONS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		1	STATIONS	MONTHLY		ALL ANADROMOUS FISH
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER PER SPECIES	1	STATIONS	MONTHLY		SAMPLES COLLECTED WITH MODIFIED WING TRAWLS AND YANKEE TRAWLS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	MILLIMETERS	1 STATIONS	MONTHLY		ALL ANADROMOUS FISH
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	GRAMS	1 STATIONS	MONTHLY		ALL ANADROMOUS FISH
SEX DETERMINATION OF PELAGIC FISH	WATER	VISUAL		1 STATIONS	MONTHLY		ALL ANADROMOUS FISH
AGE DATING OF PELAGIC FISH	WATER	SCALES	YEARS	1 STATIONS	MONTHLY		ALL ANADROMOUS FISH
MIGRATION STUDY OF PELAGIC FISH	WATER	TAGGING STUDIES		1 STATIONS	MONTHLY		ALL ANADROMOUS FISH

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS, ESTUARINE BOTTOMS, TIDELANDS, AND STATE-OWNED LAKES OF NORTH CAROLINA
DATA COLLECTED: JANUARY 1970 TO PRESENT

RECEIVED: APRIL 02, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NORTH CAROLINA, COASTAL

ABSTRACT:
BIOLOGICAL REPORTS WHICH DETERMINE EFFECTS OF BUILDING AND DREDGING PROJECTS ON COASTAL MARSH LANDS, ESTUARINE BOTTOMS, TIDELANDS AND STATE-OWNED LAKES OF NORTH CAROLINA. AERIAL PHOTOGRAPHY IS USED TO MONITOR ANY BUILDING OR DREDGING PERMIT VIOLATIONS.

DATA AVAILABILITY:
NO RESTRICTIONS

PLATFORM TYPES:
SHIP; AIRCRAFT

ARCHIVE MEDIA:
REPORTS
ONE 35 PAGE REPORT

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES T. BROWN 919 726 7021
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
DIVISION OF COMMERCIAL AND SPORTS FISHERIES P.O. BOX 769
MOOREHEAD CITY NORTH CAROLINA USA 28557

GRID LOCATOR (LAT):
730738 730739 730745 730746 730747 730755 730756 730765

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	250	STATIONS			
TIME	EARTH	STATION TIME	YMD	250	STATIONS	YEARLY		
SPECIES DETERMINATION OF BENTHIC PLANTS	BOTTOM	KEY		250	STATIONS	YEARLY		DESCRIBES MARSH TYPE
COUNT OF BENTHIC PLANTS	BOTTOM	VISUAL	NUMBER PER SPECIES	250	STATIONS	YEARLY		AERIAL PHOTOGRAPHY USED TO DETERMINE IF ENVIRONMENT ALTERED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY		350 STATIONS	YEARLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		350 STATIONS	YEARLY		

004416

PRODUCTION AND DISTRIBUTION OF FISH EGGS AND LARVAE
DATA COLLECTED: MARCH 1971 TO MAY 1972

RECEIVED: NOVEMBER 10, 1975

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND

ABSTRACT:
A YEAR LONG STUDY OF THE PRODUCTION AND DISTRIBUTION OF FISH EGGS AND LARVAE IN THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED. STUDY OBSERVED HYDROGRAPHIC DATA AS WELL AS THE FECUNDITY OF SOME TWENTY SPECIES OF FISH. (DATA CONTAINED IN APPENDIX 1)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 143 PAGE REPORT

FUNDING:
ARMY CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:

CONTACT:
ROBERT K. JOHNSON 301 454 0100
UNIVERSITY OF MARYLAND
NATURAL RESOURCES INSTITUTE
COLLEGE PARK MARYLAND USA 20740

GRID LOCATOR (LAT):
730705

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	28	STATIONS			
TIME	EARTH	STATION TIME	YMD	28	STATIONS	WEEKLY		
TEMPERATURE	WATER	REVERSING THERMOMETER		28	STATIONS	WEEKLY		
DISSOLVED OXYGEN GAS	WATER	TITRATION		28	STATIONS	WEEKLY		
PH	WATER	PH METER		28	STATIONS	WEEKLY		
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL		28	STATIONS	WEEKLY		
COUNT OF	WATER	VISUAL		28	STATIONS	WEEKLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
PELAGIC FISH SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		20 STATIONS	WEEKLY		
FECUNDITY OF PELAGIC FISH	WATER	VISUAL		20 STATIONS	WEEKLY		

PRODUCTION AND DISTRIBUTION OF STRIPED BASS EGGS *
DATA COLLECTED: MARCH 1971 TO DECEMBER 1972

RECEIVED: NOVEMBER 19, 1975

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND

ABSTRACT:
A TWO YEAR STUDY OF THE PRODUCTION AND DISTRIBUTION OF STRIPED BASS EGGS IN THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED. PARAMETERS INCLUDE FECUNDITY, COUNTS AND IDENTIFICATION OF ADULTS CAPTURED. (DATA CONTAINED IN APPENDIX II)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 40 PAGE REPORT

FUNDING:
ARMY CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:

CONTACT:
ROBERT K. JOHNSON 301 454 0100
UNIVERSITY OF MARYLAND
NATURAL RESOURCES INSTITUTE
COLLEGE PARK MARYLAND USA 20740

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	28	STATIONS			
TIME	EARTH	STATION TIME	YMD	28	STATIONS	MONTHLY		
FECUNDITY OF PELAGIC FISH	WATER	VISUAL		28	STATIONS	MONTHLY		
COUNT OF PELAGIC FISH	WATER	VISUAL		28	STATIONS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		28	STATIONS	MONTHLY		

004418

BIOLOGICAL SURVEY OF THE CHESAPEAKE AND DELAWARE CANAL AND ITS APPROACHES
DATA COLLECTED: MARCH 1971 TO DECEMBER 1972

RECEIVED: NOVEMBER 19, 1975

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND

ABSTRACT:
A TWENTY-ONE MONTH BIOLOGICAL SURVEY OF THE CHESAPEAKE AND DELAWARE CANAL AND ITS APPROACHES WAS CONDUCTED. PARAMETERS INCLUDE COUNT AND SPECIES DETERMINATION OF ORGANISMS PRESENT AS WELL AS BIOMASS OF SELECTED STATIONS. HYDROGRAPHIC DATA WAS TAKEN FOR EACH OF THE STATIONS.
(DATA CONTAINED IN APPENDIX IV)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 44 PAGE REPORT

FUNDING:
ARMY CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:

CONTACT:
MALCOLM H. TAYLOR 301 454 0100
UNIVERSITY OF MARYLAND
NATURAL RESOURCES INSTITUTE
COLLEGE PARK MARYLAND USA 20740

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	15	STATIONS			
TIME	EARTH	STATION TIME	YMD	15	STATIONS	QUARTERLY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL		15	STATIONS	QUARTERLY		
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		15	STATIONS	QUARTERLY		
COUNT OF	WATER	VISUAL		15	STATIONS	QUARTERLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPT.	REMARKS
PELAGIC ANIMALS							
SPECIES DETERMINATION OF PELAGIC ANIMALS	WATER	KEY		15 STATIONS	QUARTERLY		
DISSOLVED OXYGEN GAS	WATER	TITRATION		15 STATIONS	QUARTERLY		
TEMPERATURE	WATER	REVERSING THERMOMETER		15 STATIONS	QUARTERLY		
SALINITY	WATER	CONDUCTIVITY		15 STATIONS	QUARTERLY		
LIGHT ATTENUATION	WATER	IN SITU TRANSMISSOMETER		15 STATIONS	QUARTERLY		
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT		15 STATIONS	QUARTERLY		
BIOMASS OF PELAGIC ANIMALS	WATER	DRY WEIGHT		15 STATIONS	QUARTERLY		

004419

BLUE CRABS IN T.. CHESAPEAKE AND DELAWARE CANAL
DATA COLLECTED: NOVEMBER 1970 TO AUGUST 1972

RECEIVED: NOVEMBER 19, 1975

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND

ABSTRACT:
A STUDY TO DETERMINE THE STATUS OF THE BLUE CRAB POPULATION IN THE CHESAPEAKE AND DELAWARE REGION WAS CONDUCTED. PARAMETERS OBSERVED WERE COU.., SEX DETERMINATION AND LENGTH/WEIGHT RATIOS OF CRABS AND HYDROGRAPHIC DATA. (DATA CONTAINED IN APPENDIX V)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 11 PAGE REPORT

FUNDING:
ARMY CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:

CONTACT:
STEPHEN D. SULKIN 301 454 0100
UNIVERSITY OF MARYLAND
NATURAL RESOURCES INSTITUTE
COLLEGE PARK MARYLAND USA 20740

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	6 STATIONS			
TIME	EARTH	STATION TIME	YMD	6 STATIONS	MONTHLY		
SALINITY	WATER	CONDUCTIVITY		6 STATIONS	MONTHLY		
TEMPERATURE	WATER	REVERSING THERMOMETER		6 STATIONS	MONTHLY		
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL		6 STATIONS	MONTHLY		
SPECIES DETERMINATION OF BENTHIC	BOTTOM	KEY		6 STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
ANIMALS							
CATCH/EFFORT OF BENTHIC ANIMALS	BOTTOM	TRAP		6 STATIONS	MONTHLY		
SEX DETEPMINATION OF BENTHIC ANIMALS	BOTTOM	VISUAL		6 STATIONS	MONTHLY		
LENGTH/WEIGHT RATIO IN BENTHIC ANIMALS	BOTTOM	DIRECT		6 STATIONS	MONTHLY		

004433

DELAWARE FISH SURVEY
DATA COLLECTED: MARCH 1971 TO AUGUST 1973

RECEIVED: DECEMBER 01, 1975

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND

ABSTRACT:
A TWENTY NINE MONTH SURVEY OF THE FISH IN THE DELAWARE PORTION OF THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED. PARAMETERS INCLUDE COUNT AND SPECIES DETERMINATION OF EACH CATCH, HYDROGRAPHIC DATA AND LENGTH/WEIGHT RATIOS OF FISH CAUGHT AT SELECTED STATIONS. 33 SPECIES OF FISH WERE CAPTURED DURING THE SAMPLING PERIOD.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 75 PAGE REPORT

FUNDING:
ARMY CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:
DATA CONTAINED IN APPENDIX VII, HYDROGRAPHIC AND ECOLOGICAL EFFECTS OF ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

CONTACT:
MALCOLM H. TAYLOR 302 738 2842
UNIVERSITY OF DELAWARE
COLLEGE OF MARINE STUDIES
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	8	STATIONS			
TIME	EARTH	STATION TIME	YMD	8	STATIONS	MONTHLY		
TEMPERATURE	WATER	REVERSING THERMOMETER		8	STATIONS	MONTHLY		
TEMPERATURE	AIR	MERCURY THERMOMETER		8	STATIONS	MONTHLY		
SALINITY	WATER	CONDUCTIVITY		8	STATIONS	MONTHLY		
DISSOLVED OXYGEN GAS	WATER	TITRATION		8	STATIONS	MONTHLY		
LIGHT ATTENUATIO	WATER	VISUAL		8	STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
N							
PH	WATER	PH METER		8 STATIONS	MONTHLY		
COUNT OF PELAGIC FISH	WATER	VISUAL		8 STATIONS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		8 STATIONS	MONTHLY		
LENGTH/WEIGHT RATIO IN PELAGIC FISH	WATER	DIRECT		8 STATIONS	MONTHLY		

004434 FISH SURVEY IN THE MARYLAND PORTION OF THE CHESAPEAKE AND DELAWARE CANAL PAGE 01
DATA COLLECTED: DECEMBER 1970 TO MAY 1973 RECEIVED: DECEMBER 01, 1975

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE AND MARYLAND

ABSTRACT:
A TWENTY-NINE MONTH SURVEY OF THE FISH IN THE MARYLAND PORTION OF THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED. PARAMETERS INCLUDE COUNT AND SPECIES DETERMINATION OF EACH CATCH, HYDROGRAPHIC DATA, AND LENGTH/WEIGHT RATIOS OF FISH CAUGHT. A TOTAL OF 43 SPECIES WERE CAUGHT.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
ONE 28 PAGE REPORT

FUNDING:
ARMY CORPS OF ENGINEERS

INVENTORY:

PUBLICATIONS:
DATA CONTAINED IN APPENDIX VI, HYDROGRAPHIC AND ECOLOGICAL EFFECTS OF OF ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

CONTACT:
DOUGLAS E. RITCHIE JR. 301 454 0100
UNIVERSITY OF MARYLAND
NATURAL RESOURCES INSTITUTE
COLLEGE PARK MARYLAND USA 20740

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	10	STATIONS			
TIME	EARTH	STATION TIME	YMD	10	STATIONS	MONTHLY		
COUNT OF PELAGIC FISH	WATER	VISUAL		10	STATIONS	MONTHLY		
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		10	STATIONS	MONTHLY		
LENGTH/WEIGHT RATIO IN	WATER	DIRECT		10	STATIONS	MONTHLY		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPT	REMARKS
PELAGIC FISH							
TEMPERATURE	WATER	REVERSING THERMOMETER		10 STATIONS	MONTHLY		
SALINITY	WATER	CONDUCTIVITY		10 STATIONS	MONTHLY		
TEMPERATURE	AIR	MERCURY THERMOMETER		10 STATIONS	MONTHLY		

004555 SOME EFFECTS OF TEMPERATURE AND SALINITY ON THE LIFE PROCESSES OF THE STRIPED KILLIFISH FUNDULUS MAJALIS (WALBAUM) PAGE 01

DATA COLLECTED: JUNE 1968 TO JUNE 1969 RECEIVED: AUGUST 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, COASTAL

ABSTRACT:
THIS INVESTIGATION STUDIED SOME EFFECTS OF TEMPERATURE AND SALINITY UPON THE STRIPED KILLIFISH, FUNDULUS MAJALIS. ITS OBJECTIVES WERE THREEFOLD: TO DETERMINE THE HATCHING TIMES, SIZES AND DRY WEIGHTS OF EMBRYOS INCUBATED AT DIFFERENT TEMPERATURE, SALINITY AND OXYGEN CONDITIONS; TO OBSERVE THE OXYGEN UPTAKE OF EMBRYOS UNDER DIFFERENT TEMPERATURE - SALINITY COMBINATIONS; AND TO DETERMINE LETHAL TEMPERATURE - SALINITY COMBINATIONS FOR DIFFERENT LIFE HISTORY STAGES.

DATA AVAILABILITY:
LIBRARY LOAN

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 104 PAGE THESIS

FUNDING:
DELAWARE GAME AND FISH COMMISSION

INVENTORY:

PUBLICATIONS:
DATA INCLUDED IN UNPUBL. PHD. DISSERTATION, 1970, BY GARY W. SCHMELZ

CONTACT:
LIBRARIAN 302 645 6674
UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DEG	3 STATIONS			THE FREQUENCY OF VISITS TO STATIONS UNSPECIFIED
TIME	EARTH	STATION TIME	YM	3 OBS			THE FREQUENCY OF VISITS TO STATIONS UNSPECIFIED
PH	WATER	SPECIFIC ION ELECTRODE	PH UNITS	107 OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
SALINITY	WATER	CONDUCTIVITY	PPT	107	OBS			
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PPM	107	OBS			
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	107	OBS			
WEIGHT OF PELAGIC FISH	WATER	DRY WEIGHT	GRAMS	107	OBS			
LENGTH OF PELAGIC FISH	WATER	TOTAL LENGTH	U	107	OBS			
GROWTH STUDIES OF PELAGIC FISH	WATER	VISUAL	HOURS	107	OBS			

004556 THE BIOLOGICAL EFFECTS OF A HEATED EFFLUENT AND A MODEL FOR COMMUNITY STRUCTURAL CHANGE

DATA COLLECTED: SEPTEMBER 1970 TO JULY 1971 RECEIVED: AUGUST 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE, INDIAN RIVER BAY, INDIAN RIVER, COASTAL

ABSTRACT:
THIS PAPER DISCUSSES THE EFFECT OF A THERMAL EFFLUENT ON A MACROBENTHIC ESTUARINE INVERTEBRATE COMMUNITY. CHANGES IN COMMUNITY STRUCTURE ARE INVESTIGATED BY MEANS OF NUMBERS OF INDIVIDUALS AND SPECIES, AN INDICATOR ORGANISM, A PRESENCE - ABSENCE COEFFICIENT, DIVERSITY (H), AND EQUITABILITY. DATA INDICATE THAT COMMUNITIES IN THE EFFLUENT DO NOT REACH THE INTERACTIVE STAGE. A MODEL FORMULATED IN TERMS OF INFORMATION THEORY IS PROPOSED IN WHICH DESTRUCTION OF COMMUNITY STRUCTURE MAY BE MEASURED. THE MODEL ADDS TO EXISTING THEORY A SOURCE CHANNEL, S, WHICH TAKES INTO ACCOUNT COMMUNITY INTERACTIONS. THIS MODEL IS APPLIED TO THE DATA AND DISTRUCTION OF COMMUNITY STRUCTURE IS FOUND TO DECREASE WITH INCREASING DISTANCE FROM THE EFFLUENT. (DATA INCLUDED IN UNPUBL. M.S. THESIS, 1972, BY DENNIS T. LOGAN)

DATA AVAILABILITY:
LIBRARY LOAN

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 89 PAGE THESIS

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
LIBRARIAN 302 645 6674
UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DEG	7	STATIONS	MONTHLY	SURFACE AND BOTTOM	
TIME	EARTH	STATION TIME	YM	36	OBS	MONTHLY	SURFACE AND BOTTOM	
SALINITY	WATER	CONDUCTIVITY	PPT	36	OBS	MONTHLY	SURFACE AND BOTTOM	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	36	OBS	MONTHLY	SURFACE AND BOTTOM	
DISSOLVED	WATER	SPECIFIC ION	PPM	36	OBS	MONTHLY	SURFACE AND	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
OXYGEN GAS		ELECTRODE					BOTTOM	
SIZE ANALYSIS	SEDIMENT	SIEVE	MM	12	OBS	MONTHLY	BOTTOM	
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES	32	OBS	MONTHLY	BOTTOM	
COMMUNITY STRUCTURE ANALYSIS	BOTTOM	CALCULATED		32	OBS	MONTHLY	BOTTOM	
DIVERSITY INDEX OF BENTHIC ANIMALS	BOTTOM	SHANNON-WEAVER		32	OBS	MONTHLY	BOTTOM	

004559 FACTORS AFFECTING ACCUMULATION, TISSUE DISTRIBUTION, AND ELIMINATION OF MERCURY IN THE AMERICAN OYSTER, CRASSOSTREA VIRGINIA (GMELIN) PAGE 01

DATA COLLECTED: JUNE 1971 TO OCTOBER 1973 RECEIVED: AUGUST 01, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE BAY, MISPILLION RIVER, COASTAL

ABSTRACT:
OYSTERS, CRASSOSTREA VIRGINICA WERE EXPOSED FOR 3 DAYS TO 203HGCL2 OR CH3 203HGCL ADDED DIRECTLY TO ARTIFICIAL SEA WATER OR ADDED PRECONCENTRATED ON THE MARINE DIATOM, PHAEODACTYLUM TRICORNUTUM. THE CONCENTRATION OF 203HG IN FIVE TISSUES WAS MEASURED FOR 45 DAYS AFTER MERCURY WAS REMOVED FROM THE AMBIENT WATER. TO STUDY THE KINETICS OF MERCURY UPTAKE IN OYSTERS, ADULT CRASSOTREA VIRGINICA (GMELIN) WERE HELD IN SEA WATER CONTAINING EITHER 10PPB OR 100PPB MERCURY FOR 45 DAYS. MERCURY CONCENTRATIONS IN TISSUES WERE DETERMINED BY ANALYSIS OF INDIVIDUALLY HOMOGENIZED OYSTER MEATS USING WET DIGESTION AND FLAMELESS ABSORPTION SPECTROPHOTOMETRY.

DATA AVAILABILITY:
LIBRARY LOAN

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
ONE 147 PAGE THESIS

FUNDING:

INVENTORY:

PUBLICATIONS:
DATA INCLUDED IN UNPUBL. PHD. DISSERTATION, 1974, BY PATRICIA ANN CUNNINGHAM

CONTACT:
LIBRARIAN 302 645 667
UNIVERSITY OF DELAWARE, MARINE STATION LIBRARY
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):
7307855270

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MIN	1	STATIONS			
TIME	EARTH	STATION TIME	YM	70	OBS			
MERCURY IN BIO MATERIAL	WATER	ATOMIC ABSORPTION SPECTROMETRY	PPB	350	OBS			MERCURY MEASURED IN TISSUES OF OYSTERS AND IN HOMOGINIZED OYSTERS AND FROM THIS DATA

190

004559

FACTORS AFFECTING ACCUMULATION, TISSUE DISTRIBUTION, AND ELIMINATION OF MERCURY (CONT.)
IN THE AMERICAN OYSTER, CRASSOSTREA VIRGINIA (GMELIN)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
							THE UPTAKE, DISTRIBUTION IN TISSUES AND DEPURATION OF MERCURY IN CRASSOSTREA VIRGINICA WAS CALCULATED

004577 THE EFFECTS OF THERMAL EFFLUENT ON THE AMERICAN OYSTER, CRASSOSTREA VIRGINICA GMELIN, IN INDIAN RIVER BAY, DELAWARE
DATA COLLECTED: JUNE 1970 TO MAY 1971

RECEIVED: SEPTEMBER 22, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN RIVER BAY

ABSTRACT:
THIS REPORT DISCUSSES FIELD DATA COLLECTED ON CRASSOSTREA VIRGINICA IN INDIAN RIVER BAY, DELAWARE OVER A ONE YEAR PERIOD FROM JUNE, 1970 TO MAY 1971 TO DETERMINE SOME OF THE EFFECTS OF THERMAL DISCHARGE FROM THE DELMARVA POWER AND LIGHT COMPANY AT MILLSBORO, DELAWARE ON THE OYSTER. MONTHLY MEASUREMENTS INCLUDE WATER TEMPERATURE, SALINITY AND DISSOLVED OXYGEN; LIVE OYSTER SHELL HEIGHT, WIDTH AND VALVE THICKNESS; AND OYSTER TISSUE WET WEIGHT, DRY WEIGHT AND GLYCOGEN CONTENT. STATION 1 IS 100 METERS UPSTREAM FROM COOLING WATER INTAKE, STATION 2 LOCATED AT THE MOUTH OF ISLAND CREEK 2.5 KM EAST OF PLANT AND STATION 3 IS 6 KM EAST OF PLANT NEAR OAK ORCHARD.
(CONTINUOUS TEMPERATURE DATA AT 2 STATIONS SUPPLIED BY DELMARVA POWER AND LIGHT)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
115 PAGES

FUNDING:
DELMARVA POWER AND LIGHT COMPANY

INVENTORY:

PUBLICATIONS:
TINSMAN, J. AND D. MAURER, 1974. EFFECTS OF A THERMAL EFFLUENT ON THE AMERICAN OYSTER. IN: THERMAL ECOLOGY PROCEEDINGS OF A SYMPOSIUM AUGUSTA, GEORGIA MAY 3-5, 1973, ED. BY J.W. GIBBONS AND R.R. SHARITZ, U.S. ATOMIC ENERGY COMMISSION, TECHNICAL INFORMATION CENTER, P. 223-236.

CONTACT:
JEFF TINSMAN 302 645 6674
COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE
LEWES DELAWARE USA 19958

GRID LOCATOR (LAT):
7307853150 7307853152 7307853154

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	3	STATIONS			
TIME	EARTH	STATION TIME	YM	30	OBS			
TEMPERATURE	WATER	THERMISTOR	MEAN DEG C PER STATION PER WEEK	3	STATIONS	CONTINUOUS		51 WEEKS OF OBS AT STATION 1; 33 WEEKS OF OBS AT STATION

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C PER STATION OBS PER MONTH	36	OBS			2
SALINITY	WATER	CONDUCTIVITY	MEAN PARTS PER THOUSAND PER STATION PER YEAR	36	OBS			
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MEAN PARTS PER MILLION PER STATION PER YEAR	36	OBS			
MORTALITY OF BENTHIC ANIMALS	BOTTOM	VISUAL	MEAN PERCENT MORTALITY PER STATION PER MONTH	42	OBS			10 MONTHS OF OBS FOR GROUP 2 OYSTERS, 4 MONTHS OF OBS FOR GROUP 1 OYSTERS
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	MEAN OYSTER WIDTH, HEIGHT, AND LEFT AND RIGHT VALVE THICKNESS IN CM PER STATION PER MONTH	2400	OBS			
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT	MEAN OYSTER LENGTH IN CM PER STATION PER MONTH	2400	OBS			
WEIGHT OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT	MEAN WET WEIGHT IN G OF OYSTER MEAT PER STATION PER MONTH	1200	OBS			
WEIGHT OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT	MEAN DRY WEIGHT IN G OF OYSTER MEAT PER STATION PER MONTH	1200	OBS			
GLUCOSE IN BIO MATERIAL	WATER	COLORIMETRY	MEAN GLYCOGEN CONCENTRATION IN MG PER 100 G OYSTER MEAT PER STATION PER MONTH	480	OBS			

004578

A THREE YEAR SURVEY OF THE PESTICIDE CONTENT OF SHELLFISH IN DELAWARE'S TIDAL WATERS

DATA COLLECTED: OCTOBER 1966 TO AUGUST 1969

RECEIVED: SEPTEMBER 22, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELAWARE, INDIAN RIVER AND REHOBOTH BAYS AND LEIPSIC, SIMONS, MISPILLION AND BROADKILL RIVERS AND BOWER'S BEACH

ABSTRACT:
DATA ON THE LEVELS OF DDD, DDE, DDT AND DIELDRIN IN THE GENERAL TISSUES OF THREE SHELLFISH, CRASSOSTREA VIRGINICA, MODIOLUS DEMISSUS AND MERCENARIA MERCENARIA, COLLECTED FROM OCTOBER 1966 THROUGH AUGUST 1969 FROM VARIOUS COASTAL WATERS ADJACENT TO THE STATE OF DELAWARE ARE PRESENTED IN REPORT FORM.
(ANALYSES CONDUCTED AT BUREAU OF COMMERCIAL FISHERIES BIOLOGICAL LABORATORY-GULF BREEZE, FLORIDA)

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
52 PAGES

FUNDING:
UNITED STATES DEPARTMENT OF INTERIOR FISH AND WILDLIFE SURFACE, BUREAU OF COMMERCIAL FISHERIES

INVENTORY:

PUBLICATIONS:

CONTACT:
LAWRENCE CURTIS 302 738 2794
MARINE LABORATORIES, UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307853097 7307853150 7307854015 7307854075 7307854184 7307855168 7307950233 7307951234 7307951244

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	9	STATIONS			3 STATIONS FOR CRASSOSTREA VIRGINIA, 3 STATIONS FOR MERCENARIA, 3 STATIONS FOR MODIOLUS DEMISSUS
TIME	EARTH	STATION TIME	YMD	282	OBS	1 OBS PER STATION PER MONTH		

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
DDD IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION PER SHELLFISH SPECIES TISSUE SAMPLE PER OBS PER STATION	282 OBS	1 OBS PER STATION PER MONTH		
DDE IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION PER SHELLFISH SPECIES TISSUE SAMPLE PER OBS PER STATION	282 OBS	1 OBS PER STATION PER MONTH		
DDT IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION PER SHELLFISH SPECIES TISSUE SAMPLE PER OBS PER STATION	282 OBS	1 OBS PER STATION PER MONTH		
DIELDRIN IN BIO MATERIAL	WATER	GAS CHROMATOGRAPH Y	PARTS PER MILLION PER SHELLFISH SPECIES TISSUE SAMPLE PER OBS PER STATION	282 OBS	1 OBS PER STATION PER MONTH		

004916

EFFECTS OF NUCLEAR STATION OPERATIONS ON ESTUARINE SYSTEMS
DATA COLLECTED: JUNE 1971 TO PRESENT

RECEIVED: FEBRUARY 06, 1976

PROJECTS:
ECOLOGICAL EFFECTS OF NUCLEAR STEAM

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., MARYLAND, CALVERT COUNTY

ABSTRACT:
STARTED IN JUNE OF 1971, THIS CONTINUING STUDY ON THE ECOLOGICAL EFFECTS OF NUCLEAR STEAM ELECTRIC STATION OPERATIONS ON THE ESTUARINE SYSTEMS ON THE WESTERN SHORE OF THE CHESAPEAKE BAY IN CALVERT COUNTY MARYLAND IS CONCERNED WITH PARAMETERS SUCH AS WEATHER DATA, SALINITY, DISSOLVED OXYGEN, AND THE GENERAL CONDITIONS OF PHYTOPLANKTON, ZOOPLANKTON AND BENTHIC ANIMALS INHABITING THE ECOSYSTEM.

DATA AVAILABILITY:
NOT AVAILABLE FOR GENERAL DISTRIBUTION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
4,300 PAGE NOTEBOOKS AND 10, 100 PAGE NOTEBOOKS

FUNDING:
CHESAPEAKE BIOLOGICAL LABORATORY, SOLOMONS, MD.

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH MIHURSKY 301 535 2121
UNIV OF MD, HALLOWING POINT FIELD STATION
RT 1
PRINCE FREDERICK MARYLAND USA 20678

GRID LOCATOR (LAT):
730796

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	LATITUDE AND LONGITUDE	18	STATIONS			
TIME	EARTH	SAMPLING TIME	YMDHM	18	STATIONS	MONTHLY		
TEMPERATURE	WATER	THERMOCOUPLE	DEG C	18	STATIONS			
SALINITY	WATER	CONDUCTIVITY		18	STATIONS			
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PARTS PER MILLION	18	STATIONS			
TOTAL CHLOROPHYL L	WATER	SPECTROPHOTOMETRY		18	STATIONS			
CARBON-14	WATER	MASS SPECTROMETRY		18	STATIONS			

961

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPT''	REMARKS
NITRATE	WATER	SPECTROPHOTOMETRY		18 STATIONS			
CARBONATES	WATER	SPECTROPHOTOMETRY		18 STATIONS			
COUNT OF ZOOPLANKTON	WATER	VISUAL		18 STATIONS			
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY		18 STATIONS			
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER PER SQUARE METER	18 STATIONS			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		18 STATIONS			
BIOMASS OF BENTHIC ANIMALS	BOTTOM	DRY WEIGHT		18 STATIONS			
WEATHER	AIR	VISUAL		18 STATIONS			THE CAPTAINS LOG ABOARD THE R/V HAS A RECORD OF TIDE STAGE AND WIND DIRECTION
FECUNDITY OF PELAGIC FISH	WATER	VISUAL		18 STATIONS			
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	METERS	18 STATIONS			

004969 TRAWL FISHERY INVESTIGATION PAGE 01
DATA COLLECTED: 1951 TO 1951 RECEIVED: JULY 25, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., DELAWARE BAY, COASTAL

ABSTRACT:
THE VARIOUS ASPECTS OF THE DELAWARE BAY TRAWL FISHERY ARE PRESENTED WITH PARTICULAR REFERENCE TO POSSIBLE DESTRUCTIVE AND CONSTRUCTIVE EFFECTS.

DATA AVAILABILITY:
ON SITE EXAMINATION

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
REPORTS
44 PAGES

FUNDING:
GAME AND FISH DIVISION, STATE OF DELAWARE

INVENTORY:

PUBLICATIONS:
TRAWL FISHERY INVESTIGATION, REPORT OF THE MAR. LAB., U. OF DEL., PREPARED FOR THE GENERAL ASSEMBLY, 1955.

CONTACT:
FRANKLIN C. DAIBER 302 738 1212
COLLEGE OF MARINE STUDIES
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
7307854080 7307951205

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	DM	1	STATIONS			
TIME	EARTH	STATION TIME	Y	1	OBS			
COMMERCIAL FISHERIES ACTIVITIES	WATER	VISUAL	NUMBER OF TRAWLS	136	OBS		BOTTOM	OBSERVED AMOUNT OF BOTTOM MATERIAL IN A DRAG
COMMERCIAL FISHERIES ACTIVITIES	WATER	WET WEIGHT	POUNDS	1403	OBS		BOTTOM	OBSERVED WEIGHT AND LENGTH OF FISH DISCARDED

1978

005130

THE CONDITION OF DELAWARE OYSTER BEDS
DATA COLLECTED: JUNE 1968 TO MAY 1970

RECEIVED: NOVEMBER 20, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, U.S., COASTAL, DELAWARE BAY, TIDAL RIVER

ABSTRACT:
DATA ON THE CONDITION OF DELAWARE OYSTER BEDS, RIVER, BAY AND ARTIFICAL, FROM 1969 TO 1970 ARE PRESENTED. PARAMETERS INCLUDE STANDING CROPS, SIZE-FREQUENCY DISTRIBUTIONS, PARASITE INFESTATIONS AND SUMMER RECRUITMENT OF SPAT.
(RESEARCHERS: R.R. WINGET, D. MAURER, L. WATLING, R. KECK, U OF DELAWARE. DATA ALSO HELD AT LEWES BY D. MAURER)

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
125 PAGES

FUNDING:
NATIONAL SCIENCE FOUNDATION; SEA GRANT; DELAWARE COMMISSION OF SHELLFISHERIES; BUREAU OF COMMERCIAL FISHERIES

INVENTORY:

PUBLICATIONS:
WINGET, R.R., D. MAURER, L. WATLING AND D. KECK, 1970. SOME POPULATION DYNAMICS OF THE BLUE CRAB AND HARD CLAM IN INDIAN RIVER AND REHOBOTH BAYS AND THE AMERICAN LOBSTER IN DELAWARE BAY, DELAWARE AND THE CONDITION OF DELAWARE OYSTER BEDS. ANNUAL PROGRESS REPORT SUBMITTED TO DEALWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

CONTACT:
JOHN C. BRYSON 302 678 4403
DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
DOVER DELAWARE USA 19901

GRID LOCATOR (LAT):
730774 73079523

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP UNITS	11 STATIONS			OYSTER SURVEY; 5 RIVER BED STATIONS, 6 BAY BED STATIONS, COMPOSITE DATA FOR EACH STATION ONLY
TIME	EARTH	SAMPLING TIME	YM	11 OBS			
COUNT OF BENTHIC	BOTTOM	VISUAL	NUMBER OF LIVE OYSTERS	76 OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPT'	REMARKS
ANIMALS			COLLECTED PER BED					
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	PERCENT OF OYSTERS PER HEIGHT SIZE CLASS BY STATION	29615	OBS			
SPECIES DETERMINATION OF PARASITES	WATER	KEY	SPECIES	408	OBS			PARASITES IN OYSTER SAMPLES BY STATION FROM 1964 TO 1969
COUNT OF PARASITES	WATER	VISUAL	NUMBER OF OYSTERS INFESTED WITH EACH SPECIES OF PARASITE PER SAMPLE PER STATION	408	OBS			
COUNT OF PERIPHYTON	WATER	VISUAL	NUMBER OF SPAT COUNTED ON COLLECTING PLATES PER SAMPLE PER RIVER	99	OBS	1 OBS PER STATION PER 5 DAYS		3 SUBSTATIONS PER RIVER; 5 RIVERS; SAMPLED FROM JUNE 1969 TO AUGUST 1969; COLLECTORS CHANGED EACH SAMPLING PERIOD

200

005150 PRELIMINARY DRAFT ENVIRONMENTAL IMPACT ASSESSMENT OF FIVE PROPOSED ALTERNATIVES FOR CAPACITY EXPANSION AT PHILADELPHIA INTERNATIONAL AIRPORT

DATA COLLECTED: 1968 TO 1973

RECEIVED: MARCH 21, 1975

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, ATLANTIC SEABOARD, DELAWARE BAY, SOUTHWEST PHILADELPHIA, TINICUMMARSH

ABSTRACT:
THIS ENVIRONMENTAL IMPACT STATEMENT IS A COMPREHENSIVE ENVIRONMENTAL STUDY OF THE MARSH SURROUNDING PHILADELPHIA INTERNATIONAL AIRPORT. IT INCLUDES DISCUSSION AND DATA ON POPULATIONS AND DIVERSITY OF VEGETATION, MAMMALS, FISH, REPITLES, AMPHIBIANS, AND BIRDS. IT IS WELL REFERENCED TO PREVIOUS STUDIES.

DATA AVAILABILITY:
AT COST OF REPRODUCTION

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
APPROX 50 PAGE REPORT

FUNDING:
JACK MCCORMICK AND ASSOCIATRES

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES A. SCHMID 215 647 3110
JACK MCCORMICK AND ASSOCIATES
860 WATERLOO RD.
DEVON PENNSYLVANIA USA 19333

GRID LOCATOR (LAT):
73079551

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMDL	1	STATIONS			
SOIL STRUCTURE	LAND	VISUAL		1	STATIONS		HUNDREDS OF FEET	
SPECIES DETERMINATION OF LAND PLANTS	LAND	KEY		1	STATIONS			
SPECIES DETERMINATION OF BIRDS	AIR	KEY		32	STATIONS			REPORTED SEASONALLY, INCLUDES DESCRIPTION OF HABITATS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
SPECIES DETERMINATION OF MAMMALS	LAND	KEY		1 STATIONS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		1 STATIONS			
SPECIES DETERMINATION OF REPTILES	LAND	KEY		1 STATIONS			
SPECIES DETERMINATION OF REPTILES	WATER	KEY		1 STATIONS			
SPECIES DETERMINATION OF AMPHIBIANS	WATER	KEY		1 STATIONS			
POSITION	EARTH	FIXED POINT		1 STATIONS			

202

GATX CORPORATION PROPOSED TERMINAL FACILITY ON THE DELAWARE RIVER
DATA COLLECTED: JANUARY 1952 TO JANUARY 1973
RECEIVED: JUNE 21, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., NEW JERSEY, DELAWARE RIVER, GLOUCESTER COUNTY, WEST DEPTFORD TOWNSHIP

ABSTRACT:
IN PUTTING TOGETHER AN ENVIRONMENTAL IMPACT STATEMENT FOR THE PROPOSED CONSTRUCTION OF THE GATX CORPORATION'S TERMINAL FACILITY ON THE DELAWARE RIVER NEAR WEST DEPTFORD TOWNSHIP, NEW JERSEY, THE US ARMY CORPS OF ENGINEERS COMPILED DATA BASELINE SURVEYS FEOM 1952 TO THE PRESENT. AN OVERALL ASSESSMENT OF LOCAL TOPOGRAPHY, HYDROLOGY, ECOSYSTEMS, WATER AND AIR QUALITY, AND CLIMATE WAS MADE IN RELATIONSHIP TO THE EFFECTS OF THE PROPOSED ACTION.
(E.I.S. FOR GATX CORPORATION'S PROPOSED CONSTRUCTION OF TERMINAL)

DATA AVAILABILITY:
AVAILABLE UPON REQUEST FROM US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT.

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
250 PAGES

FUNDING:
US DEPARTMENT OF DEFENSE, US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT, PUBLIC NOTICE NO. NAPOP-N-858.

INVENTORY:

PUBLICATIONS:

CONTACT:
ROY DENMARK 215 597 2944
US ARMY CORPS OF ENGINEERS, PHILADELPHIA DISTRICT
2ND AND CHESTNUT STREETS
PHILADELPHIA PENNSYLVANIA USA 19106

GRID LOCATOR (LAT):
7307955112

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATIONS	1	STATIONS			MAP LOCATIONS
TIME	EARTH	STATION TIME	YMD	1	OBS			COLLECTION OF HISTORICAL DATA COMPILED IN REPORT ALONG WITH RECENT MEASUREMENTS
SPECIES DETERMINATION	LAND	KEY	QUALITATIVE TERMS	1	OBS		SURFACE	

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
OF LAND PLANTS							
SPECIES DETERMINATION OF MAMMALS	LAND	KEY	QUALITATIVE TERMS	1 OBS		SURFACE	
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	QUALITATIVE TERMS	1 OBS		SURFACE	
ELECTRICAL CONDUCTIVITY	WATER	LAB CONDUCTIVITY CELL	MICROMHOS	2 OBS	CONTINUOUS	WATER COLUMN	
TEMPERATURE	WATER	NON-REVERSING THERMOMETER	DEG C	2 OBS	CONTINUOUS	WATER COLUMN	
DISSOLVED OXYGEN GAS	WATER	TITRATION	PPM	2 OBS	CONTINUOUS	WATER COLUMN	
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	QUALITATIVE TERMS	1 OBS		WATER COLUMN	
SULFUR DIOXIDE	AIR	VISUAL	PPM	1 OBS	CONTINUOUS	AIR COLUMN	
CARBON MONOXIDE	AIR	GAS CHROMATOGRAPHY/IONIZATION	PPM	4 OBS	CONTINUOUS	AIR COLUMN	
HYDROCARBONS	AIR	GAS CHROMATOGRAPHY/IONIZATION	PPM	4 OBS	CONTINUOUS	AIR COLUMN	
PHOTOCHEMICAL OXIDANTS	AIR	VISUAL	PPM	4 OBS	CONTINUOUS	AIR COLUMN	
NITROGEN DIOXIDE	AIR	VISUAL	PPM	4 OBS	CONTINUOUS	AIR COLUMN	
PARTICULATE MATTER	PARTICULATE	COEFFICIENT OF HAZE	UG/M3	4 OBS	CONTINUOUS	AIR COLUMN	
SIGHTINGS OF SMOKE PLUME	AIR	VISUAL	RUDS	4 OBS	CONTINUOUS	AIR COLUMN	
LAND USE	LAND	VISUAL	QUALITATIVE TERMS	1 OBS		SURFACE	

204

007448

TOXICITY OF SOME ORGANOPHOSPHATE INSECTICIDES TO SALT MARSH KILLIFISH AND CRUSTACEANS

DATA COLLECTED: 1965 TO 1966

PROJECTS:

RECEIVED: JUNE 21, 1976

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, NEW CASTLE COUNTY

ABSTRACT:
PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED LARRICIDES ON THE COMMON KILLIFISH, FUNDULUS HETEROCLITUS (L.), GRASS SHRIMP, PALAEMONETES PUGIO HOLTHIUS, AND BLUE CRAB, CALENECTES SAPIDUS RATHBUN. RESULTS OF ACUTE AND CUMULATIVE TOXICITY TESTS AS WELL AS STUDIES TO DETERMINE THE PERSISTENCE OF TEST MATERIALS ARE INCLUDED.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
44 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
WILKINSON, R.M., 1967. TOXICITY OF SOME ORGANOPHOSPHATE INSECTICIDES TO SALT MARSH KILLIFISH AND CRUSTACEANS. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 44 P.

CONTACT:
MORRIS LIBRARY 302 738 2455
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
73079534

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	1	STATIONS			
TIME	EARTH	SAMPLING TIME	YMD	1	STATIONS			EXPERIMENTAL FARM, NEWARK
BIOLOGICAL CONDITION OF DEMERSAL FISH	WATER	VISUAL	MEAN PERCENT MORTALITY AFTER 24-HOUR EXPOSURE	24	OBS			EFFECT ON KILLIFISH
BIOLOGICAL CONDITION OF BENTHIC ANIMALS	BOTTOM	VISUAL	PERCENT MORTALITY	40	OBS			EFFECT ON GRASS SHRIMP
BIOLOGICAL	WATER	VISUAL	PERCENT	30	OBS			EFFECT ON

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
CONDITION OF ZOOPLANKTON			MORTALITY				MOSQUITO LARVAE
SPECIES DETERMINATION OF DEMERSAL FISH	WATER	KEY		1 STATIONS			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		1 STATIONS			
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY		1 STATIONS			

007450

LIVE OYSTER BED AND CLUTCH SURVEY OF THE DELAWARE BAY AND TRIBUTARIES
DATA COLLECTED: OCTOBER 1971 TO PRESENT

RECEIVED: JUNE 21, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATANTIC, COASTAL, U.S., DELAWARE BAY

ABSTRACT:
DATA OBTAINED DURING A SURVEY CONDUCTED FROM 1971 TO THE PRESENT ON THE LIVE OYSTER BEDS OF THE DELAWARE BAY AND TRIBUTARIES ARE PRESENTED IN REPORT FORM. MEASURED PARAMETERS INCLUDE DISTRIBUTIONS OF SPAT AND OYSTERS, THE STATUS OF THE MSX INFECTION AND VOLUMES OF MARKET OYSTERS HARVESTED ANNUALLY. THE PURPOSE OF THE INVESTIGATION HAS BEEN TO DETERMINE THE LOCATIONS AND CONDITIONS OF NATURAL SEED BEDS IN ORDER TO AID IN THE PLANNING OF INCREASED OYSTER PRODUCTION. (MSX-MINCHINIA NELSONI (OYSTER PARASITE))

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
1/5 FILE DRAWER

FUNDING:
NOAA-PROJECT NO 3-142-R, CONTRACT NUMBER 14-17-0003-589

INVENTORY:

PUBLICATIONS:

CONTACT:
STAFF-DIVISION OF FISH AND WILDLIFE 302 678 4431
DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
D STREET
DOVER DELAWARE USA 19901

GRID LOCATOR (LAT):
730795

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	11	STATIONS			
TIME	EARTH	STATION TIME	YM	11	STATIONS			
BIOLOGICAL CONDITION OF BENTHIC ANIMALS	BOTTOM	VISUAL		11	STATIONS			11 OYSTER BEDS
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL		4	OBS			
COMMERCIAL FISHERIES	BOTTOM	VISUAL	NUMBER OF BUSHELS OF	4	OBS	ANNUALLY		

007450 LIVE OYSTER BED AND CLUTCH SURVEY OF THE DELAWARE BAY AND TRIBUTARIES (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
ACTIVITIES			MARKET OYSTERS LANDED PER YEAR				

802

008016 ECOLOGICAL STUDIES IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION, VOLUME 1: FISHES

DATA COLLECTED: JANUARY 1974 TO DECEMBER 1974 RECEIVED: AUGUST 12, 1976

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA, CHESAPEAKE AND DELAWARE CANAL

ABSTRACT:
DATA COLLECTED ON THE FISHES PRESENT IN THE CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS OF THE DELAWARE AND ELK RIVERS DURING THE 1974 ECOLOGICAL STUDY OF THE AQUATIC ENVIRONMENT IN THE VICINITY OF THE PROPOSED SUMMIT POWER PLANT ARE PRESENTED IN REPORT FORM. THE DATA WERE GATHERED IN 325 HAULS OF A 16-FOOT TRAWL, 83 HAULS OF A 10-FOOT TRAWL, 358 SEINE COLLECTIONS, 70 GILLNET SETS AND 21 DAYS OF CREEL CENSUS. SPECIES DETERMINATIONS AND DISTRIBUTIONS ARE PRESENTED ON A BIWEEKLY BASIS IN ORDER TO OBTAIN INFORMATION ON SEASONAL CHANGES IN POPULATION STRUCTURE. STOMACH ANALYSES OF SEVERAL SPECIES OF FISH ARE ALSO GIVEN ON A SEASONAL BASIS. LENGTH-FREQUENCY DISTRIBUTIONS AND CALCULATED GROWTH RATES OF PROMINENT SPECIES ARE INCLUDED, AS ARE THE RESULTS OF TAGGING STUDIES AND FECUNDITY STUDIES OF EGG PRODUCTION. DATA ON WATER DEPTH, SALINITY, CONDUCTIVITY, TEMPERATURE, DISSOLVED OXYGEN GAS, PH, SECCHI DISK DEPTH, AND TIDAL PHASE, OBTAINED DURING ALL SAMPLING EVENTS OF FISH, ARE LIKEWISE AVAILABLE IN THE REPORT.

DATA AVAILABILITY:
UPON REQUEST AND PERMISSION OF DELMARVA POWER AND LIGHT COMPANY

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
327 PAGES

FUNDING:
DELMARVA POWER AND LIGHT COMPANY

INVENTORY:

PUBLICATIONS:
INTERPRETIVE REPORT 1974 BY ICHTHYOLOGICAL ASSOCIATES FOR UNITED ENGINEERS AND CONSTRUCTORS INC., CLIENT: DELMARVA POWER AND LIGHT COMPANY

CONTACT:
HUDSON HOEN 302 429 3205
DELMARVA POWER AND LIGHT COMPANY
800 KING STREET
WILMINGTON DELAWARE USA 19899

GRID LOCATOR (LAT):
73079534

209

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	52	STATIONS			12 16-FOOT TRAWL STATIONS, 14 10-FOOT TRAWL STATIONS, 10 SEINE STATIONS, 3 GILLNET STATIONS, 13 CREEL CENSUS STATIONS
TIME	EARTH	STATION TIME	YMDH	836	OBS	VARIES - WEEKLY TO MONTHLY		325 16-FOOT TRAWL HAULS, 83 10-FOOT TRAWL HAULS, 358 SEINE COLLECTIONS, 70 GILLNET SETS; ALSO 21 CREEL CENSUS DAYS
SALINITY	WATER	CONDUCTIVITY	PPT	920	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
ELECTRICAL CONDUCTIVITY	WATER	IN SITU CONDUCTIVITY CELL/TEMPERATURE CORRECTED	ELECTRICAL CONDUCTION UNITS	928	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
TEMPERATURE	WATER	THERMISTOR	DEG C	1067	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	PPM	637	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
SECCHI DISC DEPTH	WATER	AVERAGE DEPTH	INCHES	412	OBS			
PH	WATER	PH METER	PH UNITS	970	OBS		SURFACE, BOTTOM WHEN STATION DEPTH GREATER THAN 10 FEET	
TIDAL CURRENT	WATER	DIRECTION VANE	COMPASS	563	OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
DIRECTION			DIRECTION					
TIDAL PHASE	WATER	VISUAL	HIGH/LOW/MID	770	OBS			
TEMPERATURE	AIR	MERCURY THERMOMETER	DEG C	676	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY	SPECIES PER OBS PER STATION	836	OBS			
COUNT OF PELAGIC FISH	WATER	VISUAL	NUMBER OF INDIVIDUALS PER SPECIES PER OBS PER STATION	836	OBS			
CATCH/EFFORT OF PELAGIC FISH	WATER	NET	MEAN NUMBER OF INDIVIDUALS PER SPECIES PER OBS BY MONTH	478	OBS			16-FOOT TRAWL DAYLIGHT; 16-FOOT TRAWL NIGHT; 10-FOOT TRAWL DAYLIGHT; GILLNET DAYLIGHT
CATCH/EFFORT OF PELAGIC FISH	WATER	HOOKS	MEAN NUMBER OF INDIVIDUALS PER MAN-HOUR BY STATION	4881	DAYS			
CATCH/EFFORT OF BENTHIC ANIMALS	BOTTOM	TRAP	MEAN NUMBER OF INDIVIDUALS TRAPPED PER MAN-HOUR BY STATION	1824	DAYS			BLUE CRAB-CREEL SURVEY
COUNT OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF INDIVIDUALS CAUGHT BY POLLED FISHERMEN PER STATION PER MONTH	21	DAYS			
LENGTH OF PELAGIC FISH	WATER	FORK LENGTH	NUMBER OF INDIVIDUALS PER SPECIES PER 5-MM UNITS OF FORK LENGTH BY MONTHLY CATCH	15011	OBS			16-FOOT TRAWL, SEINE AND 10-FOOT TRAWL; CATCHES LISTED SEPARATELY
DIVERSITY INDEX OF PELAGIC FISH	WATER	MACARTHUR		33	OBS			SEINE DAYLIGHT, 16-FOOT TRAWL DAYLIGHT, SEINE NIGHT AND 16-FOOT TRAWL NIGHT INDICES SEPARATE
SPORT FISHERIES	WATER	QUESTIONNAIRE	MEAN NUMBER OF	4881	DAYS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ACTIVITIES			INDIVIDUALS PER MAN-HOUR BY MONTH					
LENGTH/WEIGHT RATIO IN PELAGIC FISH	WATER	CALCULATED		30	OBS			
MORPHOMETRIC MEASURE OF BENTHIC ANIMALS	BOTTOM	DIRECT	NUMBER OF CRABS PER 5 MM INTERVALS OF CARAPACE WIDTH PER MONTHLY SAMPLE PER STATION	707	OBS			3 STATIONS, APRIL - NOVEMBER
SEX DETERMINATION OF BENTHIC ANIMALS	BOTTOM	VISUAL	NUMBER OF MALES/ FEMALES PER 5 MM INTERVALS OF CARAPACE WIDTH PER MONTHLY SAMPLE PER STATION	707	OBS			
GROWTH STUDIES OF PELAGIC FISH	WATER	LENGTH/TIME	PERCENT TOTAL GROWTH PER YEAR CLASS PER YEAR	384	OBS			WHITE PERCH - MALE AND FEMALE COMBINED
STOMACH CONTENT ANALYSIS OF PELAGIC FISH	WATER	VISUAL	SPECIES	40	OBS			DETERMINED FOR 8 SPECIES OF FISH
FECUNDITY OF PELAGIC FISH	WATER	MECHANICAL	NUMBER OF EGGS 50 G SAMPLE OF OVARY PER INDIVIDUAL	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974
WEIGHT OF PELAGIC FISH	WATER	WET WEIGHT	G OF INDIVIDUAL	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974
AGE DATING OF PELAGIC FISH	WATER	SCALES	DESCRIPTIVE TERMS FOR AGE GROUP	16	OBS			WHITE PERCH EXAMINED FROM APRIL 16 - MAY 7, 1974

PROJECTS:
ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC, COASTAL, U.S., DELMARVA PENINSULA, CHESAPEAKE AND DELAWARE CANAL

ABSTRACT:
DATA COLLECTED ON THE PLANKTONIC AND BENTHIC ORGANISMS FOUND IN THE CHESAPEAKE AND DELAWARE CANAL AND ADJACENT WATERS DURING THE 1974 ECOLOGICAL STUDY OF THE AQUATIC ENVIRONMENT IN THE VICINITY OF THE PROPOSED SUMMIT POWER STATION ARE PRESENTED IN REPORT FORM. SPECIES DETERMINATIONS AND DISTRIBUTIONS OF PHYTOPLANKTON, ZOOPLANKTON AND BENTHIC ORGANISMS ARE GIVEN IN ORDER TO OBTAIN INFORMATION ABOUT DAILY AND SEASONAL CHANGES IN POPULATION STRUCTURE. VITALITY STUDIES ON THE ZOOPLANKTON ARE INCLUDED. THE RESULTS OF A COMPREHENSIVE ANALYSIS OF THE PHYSICAL/CHEMICAL ENVIRONMENT IN THE CANAL WATERS DURING THE BIOLOGICAL SAMPLING PROGRAM ARE ALSO AVAILABLE. MEASURED PARAMETERS INCLUDE COLIFORM COUNTS, NUTRIENTS, PIGMENTS, HEAVY METALS, OIL AND GREASE, TEMPERATURE, SALINITY, DISSOLVED OXYGEN GAS, PH, TURBIDITY AND TRANSPARENCY, HARDNESS, TOTAL ALKALINITY, CARBONATE ALKALINITY, SULFATE, TOTAL DISSOLVED SOLIDS, SUSPENDED SOLIDS, TOTAL PHOSPHORUS, DISSOLVED PHOSPHORUS, NITRATE-NITROGEN, NITRITE-NITROGEN, AMMONIA, ORGANIC NITROGEN, MAGNESIUM, CALCIUM AND TOTAL SILICA.

DATA AVAILABILITY:
UPON PERMISSION FROM DELMARVA POWER AND LIGHT COMPANY

PLATFORM TYPES:
SHIP; FIXED STATION

ARCHIVE MEDIA:
REPORTS
103 PAGES

FUNDING:
DELMARVA POWER AND LIGHT COMPANY

INVENTORY:

PUBLICATIONS:
INTERPRETIVE REPORT 1974 BY RAYTHEON COMPANY FOR UNITED ENGINEERS AND CONSTRUCTORS INC., CLIENT: DELMARVA POWER AND LIGHT COMPANY; COMPLETE REPORT OF RAW DATA IN ANNUAL DATA REPORT

CONTACT:
HUDSON HOEN 302 479 3205
DELMARVA POWER AND LIGHT COMPANY
800 KING STREET
WILMINGTON DELAWARE USA 19899

GRID LOCATOR (LAT):
73079533

008017

DELMARVA ECOLOGICAL SURVEY PLANKTONIC AND BENTHIC ORGANISMS (CONT.)

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	7	STATIONS			
TIME	EARTH	STATION TIME	YMD	7	STATIONS			
TEMPERATURE	WATER	THERMISTOR	DEG F	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
SALINITY	WATER	TITRATION	PPT	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
DISSOLVED OXYGEN GAS	WATER	SPECIFIC ION ELECTRODE	MG/L	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
PH	WATER	PH METER	PH UNITS	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
LIGHT ATTENUATION	WATER	COLORIMETRY	PERCENT TRANSMITTANCE, JTU	686	OBS	BIWEEKLY TO MONTHLY	SURFACE, BOTTOM	1 SAMPLE PER OBS; 7 STATIONS; TAKEN WITH ALL BIOLOGICAL SAMPLINGS; JANUARY-DECEMBER
HARDNESS	WATER	EDTA TITRATION	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
TOTAL ALKALINITY	WATER	TITRATION	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER,	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPT.	REMARKS
CARBONATE ALKALINITY	WATER	TITRATION	MG/L	80	OBS	DECEMBER, BIWEEKLY - MARCH-OCTOBER MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
SULFATE	WATER	NEPHELOMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
TOTAL DISSOLVED SOLIDS	DISSOLVED	DESICCATION WEIGHT	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
TOTAL SOLIDS	WATER	DRY WEIGHT	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
PHOSPHORUS	WATER	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
PHOSPHORUS	DISSOLVED	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
AMMONIA	WATER	TITRATION	MG/L	80	OBS	MONTHLY -	SURFACE,	1 SAMPLE PER

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
						JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	BOTTOM	OBS: 2 STATIONS
ORGANIC NITROGEN	WATER	TITRATION	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
NITRATE	WATER	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
NITRITE	WATER	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
OILS	WATER	EXTRACTION/ WEIGHT	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
MAGNESIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
CALCIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY -	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
ALUMINUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	UG/L	80	OBS	MARCH-OCTOBER MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
SILICON	WATER	COLORIMETRY	MG/L	80	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	1 SAMPLE PER OBS; 2 STATIONS
OILS	SEDIMENT	EXTRACTION/ WEIGHT	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
BIOCHEMICAL OXYGEN DEMAND	WATER	TITRATION	MG/L	16	OBS	MONTHLY	SURFACE	4 STATIONS; APRIL, JUNE, AUGUST, OCTOBER; 1 SAMPLE PER OBS
CADMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
CHROMIUM	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
NICKEL	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
LEAD	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
ZINC	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
IRON	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
MERCURY	WATER	ATOMIC ABSORPTION SPECTROMETRY	MG/L	5	OBS	MONTHLY	SURFACE	5 STATIONS; JULY; 1 SAMPLE PER OBS
CHROMIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
NICKEL	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
LEAD	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
ZINC	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
MERCURY	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	UG/KG	5	OBS	MONTHLY		5 STATIONS; JULY; 1 SAMPLE PER OBS
COUNT OF MICROBIOTA	WATER	VISUAL	COLONIES PER 100 ML	64	OBS	MONTHLY	SURFACE, BOTTOM	TOTAL AND FECAL COLIFORM COUNT; 4 STATIONS; APRIL, JUNE, AUGUST, OCTOBER; 2 SAMPLES PER OBS
CHLOROPHYLL A	WATER	FLUOROMETRY	MG/M3	4	STATIONS	MONTHLY	SURFACE, BOTTOM	4 STATIONS; JANUARY, MARCH-OCTOBER; 2 SAMPLES PER OBS
TOTAL PHAEOPHYTIN	WATER	FLUOROMETRY	MG/M3	4	STATIONS	MONTHLY	SURFACE, BOTTOM	4 STATIONS; JANUARY, MARCH-OCTOBER; 2 SAMPLES PER OBS
COUNT OF PHYTOPLANKTON	WATER	FILTRATION	NUMBER PER SPECIES PER ML PER SAMPLE	560	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	7 STATIONS; 2 SAMPLES PER OBS
SPECIES DETERMINATION OF PHYTOPLANKTON	WATER	KEY	SPECIES PER ML PER SAMPLE	560	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	7 STATIONS; 2 SAMPLES PER OBS
COUNT OF ZOOPLANKTON	WATER	FIXED, STAINED, ALIQUOT	NUMBER PER SPECIES PER M3 PER SAMPLE	560	OBS	MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY -	SURFACE, BOTTOM	7 STATIONS; 2 SAMPLES PER OBS; 5-TENTHS M, 500-MICRON MESH NET USED IN SAMPLING;

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
								DAY SAMPLING
SPECIES DETERMINATION OF ZOOPLANKTON	WATER	KEY	SPECIES PER M3 PER SAMPLE	560	OBS	MARCH-OCTOBER MONTHLY - JANUARY, FEBRUARY, NOVEMBER, DECEMBER, BIWEEKLY - MARCH-OCTOBER	SURFACE, BOTTOM	COUNT OF ZOOPLANKTON
MORTALITY OF ZOOPLANKTON	WATER	VISUAL	PERCENT OF TOTAL INDIVIDUALS PER SPECIE DEAD AT TIME OF SAMPLING PER SAMPLE	16	OBS	MONTHLY	SURFACE, BOTTOM	2 STATIONS; 1 SAMPLE PER OBS; MARCH, JULY, SEPTEMBER, NOVEMBER
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY	SPECIES PER SAMPLE	135	OBS	MONTHLY		5 STATIONS; 3 SAMPLES PER OBS; APRIL-NOVEMBER; 523 CM2 PONAR SAMPLER
COUNT OF BENTHIC ANIMALS	BOTTOM	MICROSCOPE	NUMBERS PER SPECIES PER SAMPLE	135	OBS	MONTHLY		5 STATIONS; 3 SAMPLES PER OBS; APRIL-NOVEMBER; 523 CM2 PONAR SAMPLER
REACTIVE PHOSPHATE	WATER	COLORIMETRY	UG/L	72	OBS	MONTHLY	SURFACE, BOTTOM	

008417 TOXICITY OF PARIS GREEN, METHOXYCHLOR AND NEW ORGANOPHOSPHATE INSECTICIDES TO SALT MARSH KILLIFISH AND CRUSTACEANS

DATA COLLECTED: 1967 TO 1968 RECEIVED: AUGUST 27, 1976

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH AMERICA, U.S., DELAWARE, NEWARK, PORT MAHON MARSH

ABSTRACT:
PRESENTED IN REPORT FORM ARE DATA COLLECTED DURING A STUDY CONDUCTED IN DELAWARE DURING 1967 AND 1968 TO EVALUATE THE EFFECTS OF CERTAIN POTENTIAL CANDIDATE MOSQUITO CONTROL INSECTICIDES ON THREE NON-TARGET SALT MARSH ORGANISMS: THE COMMON KILLIFISH (FUNDULUS HETEROCLITUS), THE GRASS SHRIMP (PALAEMONETES PUGIO) AND THE FIDDLER CRAB (UEA PUGNAX). EMPHASIZED ARE THE CUMULATIVE AND/OR ACUTE EFFECTS OF CERTAIN GRANULAR AND LIQUID FORMULATIONS OF MOSQUITO INSECTICIDES ON THE NON-TARGET SALT MARSH ORGANISMS IN SMALL SCALE FIELD TESTS, THE PERSISTENCE OF CERTAIN INSECTICIDES IN THE HABITAT WATER AND THE PERCENT REDUCTION OF THE SALT MARSH MOSQUITO BY ULTRA-LOW VOLUME APPLICATIONS OF INSECTICIDE IN LARGE SCALE FIELD TESTS.

DATA AVAILABILITY:

PLATFORM TYPES:
FIXED STATION

ARCHIVE MEDIA:
REPORTS
80 PAGES

FUNDING:

INVENTORY:

PUBLICATIONS:
ZIMMERMAN, J.H., 1969. TOXICITY OF PARIS GREEN, METHOXYCHLOR AND NEW ORGANOPHOSPHATE INSECTICIDES TO SALT MARSH KILLIFISH AND CRUSTACEANS. MASTER'S THESIS, UNIVERSITY OF DELAWARE, 80 P.

CONTACT:
MORRIS LIBRARY 302 738 2455
UNIVERSITY OF DELAWARE
NEWARK DELAWARE USA 19711

GRID LOCATOR (LAT):
730785

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
POSITION	EARTH	FIXED POINT	MAP LOCATION	2 STATIONS			UNIVERSITY OF DELAWARE EXPERIMENTAL FARM, NEWARK; PORT MAHON MARSH
TIME	EARTH	SAMPLING TIME	Y	2 STATIONS			
MORTALITY OF PELAGIC FISH	WATER	VISUAL	PERCENT MORTALITY PER	72 OBS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
MORTALITY OF BENTHIC ANIMALS	BOTTOM	VISUAL	SPECIES PERCENT MORTALITY PER SPECIES	74	OBS			
MORTALITY OF INSECTS	LAND	VISUAL	PERCENT MORTALITY OF MOSQUITO LARVAE	97	OBS			
SPECIES DETERMINATION OF PELAGIC FISH	WATER	KEY		72	OBS			KILLFISH
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		74	OBS			FIDDLER CRAB, GRASS SHRIMP
SPECIES DETERMINATION OF INSECTS	LAND	KEY		97	OBS			MOSQUITOES

008966 BENTHIC STUDIES AT THE DUPONT DUMPSITE OFF THE DELAWARE BAY PAGE 01
DATA COLLECTED: 1975 TO PRESENT RECEIVED: JUNE 09, 1977

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, DUPONT DUMPSITE

ABSTRACT:
SINCE 1975, BENTHIC SAMPLING HAS BEEN DONE ON AN IRREGULAR BASIS AT THE DUPONT DUMPSITE OFF THE DELAWARE BAY. KRIS SWANSON OF MARINE RESEARCH INCORPORATED ANALYZES THE SPECIES COMPOSITION AND ABUNDANCE OF THESE BENTHIC SAMPLES RECEIVED FROM THE ENVIRONMENTAL PROTECTION AGENCY.

DATA AVAILABILITY:
BY PERMISSION OF CONTRACT HOLDER AT COST

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
DATA SHEETS
DATA SHEETS CONTAINED IN 1 DRAWER OF A 4X1X2FT FILE CABINET

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
KRIS SWANSON 617 548 0700
MARINE RESEARCH INCORPORATED
141 FALMOUTH HEIGHTS ROAD
FALMOUTH MASSACHUSETTS USA 02540

GRID LOCATOR (LAT):
730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT		FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMDL	100	STATIONS			
POSITION	EARTH	FIXED POINT	DM	100	STATIONS			
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		100	STATIONS			
COUNT OF BENTHIC ANIMALS	BOTTOM	MICROSCOPE	NUMBER/M2, INDIVIDUALS/ SPECIES	100	STATIONS			DENSITY OF BENTHIC ANIMALS DETERMINED ALSO

PROJECTS:

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN

ABSTRACT:
THE ENVIRONMENTAL PROTECTION AGENCY, ENVIRONMENTAL RESEARCH LABORATORY, HAS BEEN COLLECTING DATA SINCE MARCH 1974 FROM TWO OCEAN DISPOSAL SITES APPROXIMATELY 60 MILES OFF THE COAST OF MARYLAND. THE PARAMETERS INCLUDED IN THIS STUDY ARE: ALUMINUM, CADMIUM, CHROMIUM, COBALT, COPPER, IRON, LEAD, MANGANESE, NICKEL, SILVER, TITANIUM, VANADIUM AND ZINC IN BOTH THE SEDIMENT AND ORGANISMS. MEASUREMENTS OF METALS IN CLAMS AND SCALLOPS ARE SEPARATED BY MUSCLE AND ORGANS. OTHER PARAMETERS INCLUDED ARE: SPECIES DETERMINATION OF BENTHIC ANIMALS, WEIGHT OF BENTHIC ANIMALS AND LENGTH OF BENTHIC ANIMALS. CONTACT DR. D.K. PHELPS, SCIENTIFIC AND TECHNICAL DIRECTOR, EPA ENVIRONMENTAL RESEARCH LABORATORY, SOUTH FERRY ROAD, NARRAGANSETT, RHODE ISLAND 02882.

DATA AVAILABILITY:

PLATFORM TYPES:
SHIP

ARCHIVE MEDIA:
MAGNETIC DISC
1 DISC (531200 BYTES)

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DR. D.K. PHELPS 401 789 1071
ENVIRONMENTAL PROTECTION AGENCY - REGION 1 ENVIRONMENTAL RESEARCH LABORATORY
SOUTH FERRY ROAD
NARRAGANSETT RHODE ISLAND USA 02882

GRID LOCATOR (LAT):
730773 730774 730783 730784

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
TIME	EARTH	STATION TIME	YMD	30 STATIONS			
POSITION	EARTH	LONG RANGE NAVIGATIONAL NET	DMS	30 STATIONS			
ALUMINUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
CADMIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
CHROMIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
COBALT	SEDIMENT	ATOMIC ABSORPTION	PPM DRY WEIGHT	30 STATIONS			

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
		SPECTROMETRY					
COPPER	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
IRON	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
LEAD	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
MANGANESE	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
NICKEL	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
SILVER	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
TITANIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
VANADIUM	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
ZINC	SEDIMENT	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			
ALUMINUM IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
CADMIUM IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
CHROMIUM IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
COBALT IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
COPPER IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
IRON IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
LEAD IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30 STATIONS			AMOUNTS IN ORGANS AND MUSCLE DETERMINED

PARAMETER IDENTIFICATION SECTION:

NAME	SPHERE	METHOD	UNITS	DATA AMOUNT	FREQUENCY	HEIGHT/DEPTH	REMARKS
MANGANESE IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30	STATIONS		SEPARATELY AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
NICKEL IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30	STATIONS		AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
SILVER IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30	STATIONS		AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
TITANIUM IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30	STATIONS		AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
VANADIUM IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30	STATIONS		AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
ZINC IN BIO MATERIAL	BOTTOM	ATOMIC ABSORPTION SPECTROMETRY	PPM DRY WEIGHT	30	STATIONS		AMOUNTS IN ORGANS AND MUSCLE DETERMINED SEPARATELY
SPECIES DETERMINATION OF BENTHIC ANIMALS	BOTTOM	KEY		30	STATIONS		CLAMS AND SCALLOPS
LENGTH OF BENTHIC ANIMALS	BOTTOM	DIRECT		30	STATIONS		
WEIGHT OF BENTHIC ANIMALS	BOTTOM	WET WEIGHT		30	STATIONS		
POSITION	EARTH	SHORT RANGE NAVIGATIONAL NET	DMS	30	STATIONS		MINI RANGER III

ANNEX II

Data Files

Part B

Data File Index - Listed by Key Word

Modification of Fisheries

This index contains an alphabetical listing by key word of the data files in this annex. After some key words is a number or series of numbers which reference the page numbers of the particular file(s) within this report. Most of the files are referenced by more than one key word. Underlined numbers indicate files generated after January 1, 1973.

The key words which do not reference any relevant files are included to indicate the extent of the file search.

ANNEX II

Part B
Data File Index Listed by Key Word

Modification of Fisheries

2,4-D in bio material (bottom)
none

2,4-D in bio material (water)
none

2,4,5-T in bio material (sediment)
none

2,4,5-T in bio material (suspended)
none

2,4,5-T in bio material (water)
none

aldrin in bio material (bottom)
none

aldrin in bio material (water)
21, 94

aliphatic hydrocarbons in bio material (water)
none

alpha B.H.C.
use lindane

antimony in bio material (bottom)
none

antimony in bio material (water)
none

aromatic hydrocarbons in bio material (water)
27

arrival of pelagic fish (water)
none

arsenic in bio material (bottom)
none

arsenic in bio material (water)
168

atrazine in bio material (bottom)
none

atrazine in bio material (water)
none

benthic animals
use beta activity, biological condition, biomass, catch/effort, community structure analysis (bottom), count, developmental stage, diversity index, growth studies, migration study, mortality, sex determination, species determination, taxonomic list, volume determination, weight

benthic fish
use community structure analysis analysis (water), demersal fish

beryllium in bio material (bottom)
none

beryllium in bio material (water)
none

beta activity in benthic animals (bottom)
none

beta activity in demersal fish (water)
none

beta activity in pelagic fish (water)
none

beta and gamma activity in bio material (water)
none

beta B.H.C.
use lindane

B.H.C. in bio material (water)
none

biological condition of benthic animals (bottom)
43, 205, 207

biological condition of demersal fish (water)
75, 116, 205

biological condition of pelagic fish (water)
12

biomass of benthic animals (bottom)
48, 81, 106, 114, 162, 178, 196

biomass of demersal fish (water)
61, 79

biomass of pelagic fish (water)
none

burrowers
use benthic animals

cadmium in bio material (bottom)
144, 223

cadmium in bio material (sediment)
none

cadmium in bio material (water)
8, 21, 42, 45, 47, 48, 79, 130, 151, 168

catch/effort of benthic animals (bottom)
114, 180, 209

catch/effort of demersal fish (water)
none

catch/effort of pelagic fish (water)
209

chlordane in bio material (bottom)
none

chlordane in bio material (water)
21, 27, 94

chlorinated hydrocarbons in bio material (water)
164

chlorine in bio material (bottom)
none

chlorine in bio material (water)
none

chromium in bio material (bottom)
135, 223

chromium in bio material (sediment)
none

chromium in bio material (water)
21, 135, 223

commercial fisheries activities (bottom)
207

commercial fisheries activities (water)
66, 198

community diversity
use diversity index

community structure analysis (bottom)
33, 77, 83, 91, 98, 106, 112, 114, 188

community structure analysis (water)
33, 98

condition
use biological condition

copper in bio material (bottom)
135, 223

copper in bio material (sediment)
none

copper in bio material (water)
8, 21, 42, 45, 47, 48, 124, 130, 135, 151, 154

count of benthic animals (bottom)
14, 16, 18, 33, 36, 52, 59, 61, 64, 71, 77, 79, 81, 83, 91, 98, 101, 106, 110, 112, 114, 118, 122, 127, 145, 156, 160, 162, 178, 180, 196, 199, 207, 209, 213, 222

count of demersal fish (water)
21, 33, 40, 50, 58, 61, 79, 98, 101, 104, 108, 138, 147, 156

count of microbiota (sediment)
none

count of microbiota (water)
81, 213

count of parasites (water)
6, 12, 69, 73, 89, 138, 140, 156, 158, 160, 164, 169, 199

count of pelagic fish (water)
21, 25, 33, 38, 40, 50, 58, 98, 104, 108, 147, 149, 158, 166, 169, 175, 177, 182, 184, 209

count of zooplankton (water)
87

cyanide in bio material (water)
21

DDA in bio material (water)
none

DDD in bio material (bottom)
none

DDD in bio material (water)
8, 21, 27, 29, 94, 128, 132, 194

DDE in bio material (bottom)
none

DDE in bio material (water)
8, 21, 27, 29, 94, 128, 132, 194

DDT in bio material (bottom)
none

DDT in bio material (water)
8, 21, 27, 29, 85, 94, 128, 132, 194

delta B.H.C.
use lindane

demersal fish
use beta activity, biological condition, biomass, catch/effort, community structure analysis (water), count, diversity index, growth studies, migration study, mortality, sex determination, spawning history, species determination, taxonomic list, volume determination, weight

developmental stage of benthic animals (bottom)
none

developmental stage of pelagic fish (water)
none

diazinon in bio material (bottom)
none

diazinon in bio material (water)
none

dicamba in bio material (water)
none

dieldrin in bio material (bottom)
none

dieldrin in bio material (water)
21, 27, 94, 128, 132, 194

dilan in bio material (bottom)
none

dinitrophenol in bio material (water)
none

diquat in bio material (water)
none

distribution of benthic animals
use community structure analysis (bottom), count, species determination

diversity index of benthic animals (bottom)
59, 64, 83, 114, 188

diversity index of demersal fish (water)
61

diversity index of pelagic fish (water)
209

endrin in bio material (bottom)
none

endrin in bio material (water)
94

epsilon B.H.C.
use lindane

fin clips
use migration studies of pelagic fish (tagging studies)

fishing
use catch/effort, commercial fisheries activities, sport fisheries activities

gamma activity in benthic animals (bottom)
none

gamma activity in bio material (water)
none

gamma B.H.C.
use lindane

grease
use oils

gross alpha activity
use alpha activity

gross beta activity
use beta activity

gross gamma activity
use gamma activity

growth studies of benthic animals (bottom)
none

growth studies of demersal fish (water)
none

growth studies of pelagic fish (water)
186, 209

guthion in bio material (water)
none

heavy metals
use cadmium, copper, lead, mercury, nickel, zinc

heptachlor epoxide in bio material (bottom)
none

heptachlor epoxide in bio material (water)
none

heptachlor in bio material (bottom)
none

heptachlor in bio material (water)
21

herbicide
use 2,4-D, 2,4,5-T, atrazine, dicamba, dinitrophenol, diquat, hexachlorobenzene, trifluralin

hexachlorobenzene in bio material (water)
none

hydrocarbons in bio material (bottom)
none

hydrocarbons in bio material (water)
none

index of dispersion
use community structure analysis

index of diversity
use community structure analysis

index of dominance
use community structure analysis

index of evenness
use community structure analysis

index of species association
use community structure analysis

index of species richness
use community structure analysis

index of species similarity
use community structure analysis

insecticide
use aldrin, BHC, chlordane, DDA, DDD, DDE, DDT, dieldrin, dilan, heptachlor, heptachlor epoxide, lindane, methoxychlor, toxaphene

land use (land)
20

lead in bio material (bottom)
135, 223

lead in bio material (water)
8, 79, 135, 151, 168

lindane in bio material (bottom)
none

lindane in bio material (water)
94

macroinvertebrates
use benthic animals

malathion in bio material (bottom)
none

malathion in bio material (water)
none

margelef formula
use diversity index

maturity
use spawning history

mercury in bio material (bottom)
135

mercury in bio material (water)
8, 21, 79, 130, 135, 143, 151, 154, 168, 190

methoxychlor in bio material (water)
none

methoxy DDT
use methoxychlor

methyl mercury in bio material (water)
none

microbiota
use count, species determination

migration study of benthic animals (bottom)
none

migration study of demersal fish (water)
54

migration study of pelagic fish (water)
25, 166, 171

mirex in bio material (water)
none

mortality of benthic animals (bottom)
43, 120, 145, 192, 220

mortality of demersal fish (water)
54

mortality of pelagic fish (water)
25, 220

nickel in bio material (bottom)
223

nickel in bio material (sediment)
none

nickel in bio material (water)
8, 151

oils in bio material (bottom)
none

oils in bio material (water)
none

ortho-para DDD
use DDD

ortho-para DDE
use DDE

ortho-para DDT
use DDT

para-para DDD
use DDD

para-para DDE
use DDE

para-para DDT
use DDT

parasites
use count, species determination

parathion in bio material (bottom)
none

parathion in bio material (water)
none

particulate nickel
use nickel

particulate selenium
use selenium

particulate silver
use silver

PCB
use polychlorinated biphenyls

pelagic fish
use arrival, beta activity, biological condition, biomass, catch/effort, community structure analysis (water), count, developmental stage, diversity index, growth studies, migration study, mortality, sex determination, spawning history, species determination, taxonomic list, volume determination, weight

pesticide
use chlorinated hydrocarbons, diazinon, guthion, malathion, mirex

phenols in bio material (water)
21

polychlorinated biphenyls in bio material (bottom)
none

polychlorinated biphenyls in bio material (water)
8, 27, 94, 132

rank analysis
use community structure analysis

selenium in bio material (bottom)
none

selenium in bio material (water)
151

sex determination of benthic animals (bottom)
68, 71, 110, 118, 156, 160, 180, 209

sex determination of demersal fish (water)
75, 138, 156

sex determination of pelagic fish (water)
158, 166, 171

silver in bio material (bottom)
223

silver in bio material (water)
none

spawning history of benthic animals (bottom)
none

spawning history of demersal fish (water)
none

spawning history of pelagic fish (water)
none

spatial patterns
use community structure analysis

species determination of benthic animals (sediment)
use species determination of benthic animals (bottom)

species determination of benthic animals (bottom)
36, 42, 43, 45, 47, 48, 52, 59, 61, 64, 71, 77, 79, 81, 83, 91, 98, 101, 106, 112, 114, 156, 160, 162, 164, 178, 180, 188, 196, 205, 213, 220, 222, 223

species determination of demersal fish (water)
21, 33, 40, 50, 58, 61, 73, 79, 98, 101, 104, 108, 138, 147, 156, 173, 205

species determination of microbiota (sediment)
none

species determination of microbiota (water)
142

species determination of parasites (water)
12, 69, 71, 73, 138, 140, 156, 158, 160, 164, 169, 199

species determination of pelagic fish (water)
21, 25, 33, 38, 40, 50, 58, 98, 104, 108, 147, 149, 154, 158, 166, 169, 171, 173, 175, 177, 182, 184, 201, 203, 209, 220

sport fisheries activities (water)
209

taxonomic list of benthic animals (bottom)
14, 33, 91, 98

taxonomic list of demersal fish (water)
none

taxonomic list of pelagic fish (water)
none

TDE
use DDD

temperature (water)
31, 52, 61, 98, 112, 186, 188, 192, 196

thallium in bio material (water)
none

total 2,4-D
use 2,4-D

total 2,4,5-T
use 2,4,5-T

total hydrocarbons
use hydrocarbons

toxaphene in bio material (bottom)
none

toxaphene in bio material (water)
94

toxins in bio material (bottom)
none

toxins in bio material (water)
none

trifluralin in bio material (bottom) - herbicide
none

trifluralin in bio material (water)
none

volume determination of benthic animals (bottom)
16

volume determination of demersal fish (water)
none

volume determination of pelagic fish (water)
none

weight of benthic animals (bottom)
98, 106, 144, 192, 223

weight of demersal fish (water)
27, 33, 56, 75, 98, 138, 140

weight of pelagic fish (water)
25, 85, 98, 154, 166, 171, 186, 209

zinc in bio material (bottom)
135, 223

zinc in bio material (sediment)
none

zinc in bio material (water)
8, 21, 42, 45, 47, 48, 79, 125, 130, 135, 151

zooplankton
use count

ANNEX III

Monitoring Programs

Modification of Fisheries

The monitoring programs identified for this report form three categories, as follows:

Continuous monitoring programs presently active in the Chesapeake Bay - 29 files.

Continuous monitoring programs initiated after January 1967 that have operated five (5) years or longer, but are presently not operational - 1 file.

Continuous monitoring programs initiated prior to January 1967 that have operated ten (10) years or longer and are presently not operational - 1 file.

The programs are arranged by date of initiation, earliest first.

DATA COLLECTED: JANUARY 1947 TO DECEMBER 1967

MONITORING PROJECTS:

POPULATION DYNAIMCS OF PRIVATE AND PUBLIC OYSTER BEDS IN VIRGINIA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, TRIBUTARIES AND TIDAL CREEKS

ABSTRACT:

ANNUAL POPULATION ASSESSMENTS OF OYSTERS IN THE LOWER CHESAPEAKE BAY AND NUMEROUS TRIBUTARIES HAVE BEEN MADE SINCE 1947. DATA ALSO INCLUDES COUNTS OF OYSTER SPATFALL AT BOTH SEASONAL INTERVALS AND WITHIN SEASONAL INTERVALS FOR NUMEROUS STATIONS WITHIN THESE AREAS. OCCURRENCE, ABUNDANCE AND DISTRIBUTION OF PREDATORS, FOULING ORGANISMS, SCAVENGERS AND OTHER ASSOCIATES OF OYSTER BED COMMUNITIES IS AVAILABLE BUT NOT SUMMARIZED EXCEPT GENERALLY. DATA ON PARASITES SUCH AS PEA CRABS, SACCULINIDS, MUD CRABS (PARASITIZED) IN AVAILABLE BUT NOT EASILY ACCESSIBLE.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DR. JAY D. ANDREWS 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 122.

DATA COLLECTED: JANUARY 1950 TO PRESENT

MONITORING PROJECTS:

EPIZOOTIOLOGY OF OYSTER DISEASES IN CHESAPEAKE BAY

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA TRIBUTARIES, WESTERN SHORE OF BAY

ABSTRACT:

MORTALITY RATES OF OYSTERS IN THE LOWER CHESAPEAKE BAY REGION HAVE BEEN DETERMINED BY TRAY COUNTS AND SAMPLING FROM PUBLIC AND PRIVATE OYSTER BEDS SINCE 1950. PREVALENCE OF DISEASE ORGANISMS IN OYSTERS DERMOCYSTIDIUM MARINUM, MINCHINIA NELSONI AND MINCHINIA COSTALE HAS BEEN STUDIED BY SAMPLING OYSTER TRAYS AND OYSTER BEDS SINCE 1950, 1959 and 1960 RESPECTIVELY. THE SAMPLES OF OYSTERS OBTAINED FOR DISEASE DIAGNOSIS OVER THESE PERIODS OF TIME HAVE RESULTED IN A PERMANENT COLLECTION OF OVER 150,000 SECTIONED AND STAINED SLIDES. ALL GAPERS ON TRAY LOTS EXAMINE FOR ANY DISEASES; LIVE OYSTERS ON TRAY LOTS EXAMINED IN SAMPLE SIZE OF 25, ONE TO FIVE TIMES EACH YEAR FOR SPECIFIC DISEASE ORGANISMS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DR. JAY ANDREWS 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 120.

DATA COLLECTED: NOVEMBER 1955 TO PRESENT

MONITORING PROJECTS:
PARASITES OF FISHES OF THE CHESAPEAKE BAY REGION

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, JAMES, YORK AND RAPPAHANNOCK RIVERS

ABSTRACT:
PARASITE SURVEY OF FISHES IN THE CHESAPEAKE BAY REGION HOST RECORDS, INCIDENCE AND SEVERITY OF INFESTATION, ORGAN SPECIFICITY, HISTOLOGY OF INFESTATION LONG-TERM ACCUMULATION STUDY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DAVID ZWERNER 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 6.

DATA COLLECTED: OCTOBER 1961 TO PRESENT

MONITORING PROJECTS:
OYSTER SURVEY

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
ANNUAL SURVEY OF MARYLAND OYSTER BARS, NATURAL AND PLANTED, DATA INCLUDES NUMBER AND SIZE OF OYSTERS; ASSOCIATED INVERTEBRATES RELATIVE ABUNDANCE; INCIDENCE OF DRILLS; NOTES ON CONDITION, COLOR AND GONAD DEVELOPMENT; DEPTH, TEMPERATURE AND SALINITY. LONG TERM SURVEY DATA AVAILABLE. AVERAGE 1250 STATIONS PER YEAR, 12 YEARS DATA (BLUE CRAB DATA DESCRIBED SEPARATELY).

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
HAROLD A. DAVIS 301-269-5366
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 14.

DATA COLLECTED: JANUARY 1965 TO PRESENT

MONITORING PROJECTS:
FISH KILL INVESTIGATIONS IN MARYLAND WATERS

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND

ABSTRACT:
REPORTED FISH KILLS IN MARYLAND WATERS, WATER ANALYSIS AND ANALYSIS OF FISH FOR CAUSE OF DEATH. DATA INCLUDED FROM 221 KILLS, 72 IN 1973 THROUGH OCTOBER 11. COUNTS, SIZES, SPECIES LISTS AND VALUES FOR FISH INVOLVED. (SUMMARY SHEETS FILED BY YEAR WITH DATE, LOCATION, SPECIES AND PROBABLE CAUSE OF KILL.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
HOWARD KING 301-269-5783
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 21.

DATA COLLECTED: 1968 TO 1973

MONITORING PROJECTS:
PRELIMINARY DRAFT - ENVIRONMENTAL IMPACT ASSESSMENT OF FIVE PROPOSED ALTERNATIVES FOR CAPACITY EXPANSION AT PHILADELPHIA INTERNATIONAL AIRPORT

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE BAY, SOUTHWEST PHILADELPHIA, TINICUMMARSH

ABSTRACT:
THIS ENVIRONMENTAL IMPACT STATEMENT IS A COMPREHENSIVE ENVIRONMENTAL STUDY OF THE MARSH SURROUNDING PHILADELPHIA INTERNATIONAL AIRPORT. IT INCLUDES DISCUSSION AND DATA ON POPULATIONS AND DIVERSITY OF VEGETATION, MAMMALS, FISH, REPTILES, AMPHIBIANS AND BIRDS. IT IS WELL REFERENCED TO PREVIOUS STUDIES.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JAMES A. SCHMID 215-647-3110
JACK MCCORMICK AND ASSOCIATES
860 WATERLOO ROAD
DEVON, PENNSYLVANIA, USA 19333

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 201.

DATA COLLECTED: MAY 1968 TO PRESENT

MONITORING PROJECTS:
STRIPED BASS TAGGING PROGRAM

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, JAMES, YORK AND RAPPAHANNOCK RIVERS

ABSTRACT:
MORTALITY RATES AND MIGRATION PATTERNS OF CHESAPEAKE BAY STRIPED BASS (MORONE SAXATILIS) HAVE BEEN STUDIED ANNUALLY BY TAGGING, BEGINNING IN 1968 AND CONTINUING TO THE PRESENT. THE DATA ARE AVAILABLE IN THE FORM OF PUNCHED CARDS FROM VIMS. REPORTS ON THE RESULTS OF THE STUDY HAVE BEEN SENT TO THE U.S. BUREAU OF SPORT FISHERIES AND WILDLIFE, AND TO THE VIMS LIBRARY. (DATA USED FOR MORTALITY RATES AND EXPLOITATION BY GEAR TYPES.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOHN V. MERRINER 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 54.

DATA COLLECTED: SEPTEMBER 1968 TO PRESENT

MONITORING PROJECTS:
SURVEY OF DEAD ORGANISMS ON CHESAPEAKE BAY BEACHES

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, KENWOOD BEACH TO ROCKY POINT

ABSTRACT:
SURVEY OF DEAD ORGANISMS ON CHESAPEAKE BAY BEACHES FROM KENWOOD BEACH TO ROCKY POINT, MARYLAND SINCE SEPTEMBER 1968. STUDY INCLUDES SPECIES DETERMINATIONS AND COUNTS OF PELAGIC AND DEMERSAL FISH IN FOUR AREAS DURING MONTHLY SAMPLING. (DATA INCLUDES NOTES ON ALL DEAD ORGANISMS FOUND.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
DENNIS BURTON 301-274-3194
BENEDICT ESTUARINE LABORATORY
BENEDICT, MARYLAND, USA 20612

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 58.

DATA COLLECTED: JANUARY 1969 TO PRESENT

MONITORING PROJECTS:
AMPHIPOD PARASITES IN COASTAL NORTH CAROLINA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA, ALBEMARLE SOUND, NEUSE RIVER

ABSTRACT:
CONTINUING SURVEY OF AMPHIPOD (GAMMEROUS) PARSITES (ACANTHECEPHALA) IN ALBEMARLE SOUND AND THE NEUSE RIVER, NORTH CAROLINA.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHARLES JOHNSON 919-728-2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT, NORTH CAROLINA, USA 28516

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 160.

DATA COLLECTED: JUNE 1969 TO PRESENT

MONITORING PROJECTS:

PARASITES OF THE COASTAL PLAINS (CRUSTACEANS, FISH AND MAMMALS) IN NORTH CAROLINA

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA, COASTAL PLAIN TO OCEAN

ABSTRACT:

GENERAL SURVEY OF COASTAL PLAIN AQUATIC ANIMAL PARASITES OF NORTH CAROLINA. HOSTS INCLUDE AMPHIPODS, CRABS, DEMERSAL FISH AND WHALES. (GENERAL SURVEY OF ANIMALS, CATALOGING PARASITE INCIDENCE WITH HABITAT.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

CHARLES JOHNSON 919-728-2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT, NORTH CAROLINA, USA 28516

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 156.

DATA COLLECTED: JUNE 1969 TO PRESENT

MONITORING PROJECTS:
ACANTHECEPHALAN PARASITES OF STRIPED BASS IN ALBEMARLE SOUND

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA, ALBEMARLE SOUND

ABSTRACT:
CONTINUING SURVEY OF ACANTHECEPHALAN PARASITES OF STRIPED BASS IN ALBEMARLE SOUND.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
CHARLES JOHNSON 919-728-2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT, NORTH CAROLINA, USA 28516

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 158.

DATA COLLECTED: JANUARY 1970 TO PRESENT

MONITORING PROJECTS:

BIOLOGICAL REPORTS FOR PERMIT APPLICATIONS TO ALTER MARSHLANDS ESTUARINE BOTTOMS, TIDELANDS AND STATE-OWNED LAKES OF NORTH CAROLINA

GENERAL GEOGRAPHIC AREA:

NORTH AMERICAN OCEAN, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:

BIOLOGICAL REPORTS WHICH DETERMINE EFFECTS OF BUILDING AND DREDGING PROJECTS ON COASTAL MARSH LANDS, ESTUARINE BOTTOMS, TIDELANDS AND STATE-OWNED LAKES OF NORTH CAROLINA. AERIAL PHOTOGRAPHY IS USED TO MONITOR ANY BUILDING OR DREDGING PERMIT VIOLATIONS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JAMES T. BROWN 919-726-7021
DIVISION OF COMMERCIAL AND SPORTS FISHERIES
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
P.O. BOX 769
MOREHEAD CITY, NORTH CAROLINA, USA 28557

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 173.

DATA COLLECTED: MARCH 1971 TO MAY 1972

MONITORING PROJECTS:

ENLARGEMENT OF THE CHESAPEAKE AND DELAWARE CANAL - PRODUCTION AND DISTRIBUTION OF FISH EGGS AND LARVAE

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE, MARYLAND

ABSTRACT:

A YEAR LONG STUDY OF THE PRODUCTION AND DISTRIBUTION OF FISH EGGS AND LARVAE IN THE CHESAPEAKE AND DELAWARE CANAL WAS CONDUCTED. STUDY OBSERVED HYDROGRAPHIC DATA AS WELL AS THE FECUNDITY OF SOME TWENTY SPECIES OF FISH.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

ROBERT K. JOHNSON 301-454-0100
NATURAL RESOURCES INSTITUTE
UNIVERSITY OF MARYLAND
COLLEGE PARK, MARYLAND, USA 20740

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 196.

DATA COLLECTED: OCTOBER 1971 TO PRESENT

MONITORING PROJECTS:

LIVE OYSTER BED AND CLUTCH SURVEY OF THE DELAWARE BAY AND ITS TRIBUTARIES

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE BAY

ABSTRACT:

DATA OBTAINED DURING A SURVEY CONDUCTED FROM 1971 TO THE PRESENT ON THE LIVE OYSTER BEDS OF THE DELAWARE BAY AND ITS TRIBUTARIES ARE PRESENTED IN REPORT FORM. MEASURED PARAMETERS INCLUDE DISTRIBUTIONS OF SPAT AND OYSTERS, THE STATUS OF THE MSX INFECTION AND VOLUMES OF MARKET OYSTERS HARVESTED ANNUALLY. THE PURPOSE OF THE INVESTIGATION HAS BEEN TO DETERMINE THE LOCATIONS AND CONDITIONS OF NATURAL SEED BEDS IN ORDER TO AID IN THE PLANNING OF INCREASED OYSTER PRODUCTION.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

STAFF-DIVISION OF FISH AND WILDLIFE 302-678-4431
DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
D STREET
DOVER DELAWARE, USA 19901

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 207.

DATA COLLECTED: JANUARY 1972 TO PRESENT

MONITORING PROJECTS:
HEAVY METALS IN COASTAL FISHES OF NORTH CAROLINA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA

ABSTRACT:
HEAVY METAL SURVEY OF NORTH CAROLINA FISHES

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
RICHARD BARBER 919-728-2111
DUKE UNIVERSITY MARINE LABORATORY
BEAUFORT, NORTH CAROLINA, USA 28516

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 154.

DATA COLLECTED: APRIL 1972 TO PRESENT

MONITORING PROJECTS:

PARASITES OF STRIPED BASS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY AND TRIBUTARIES

ABSTRACT:

PARASITE SURVEY OF STRIPED BASS IN THE CHESAPEAKE BAY AREA AND TRIBUTARY RIVERS. FAUNAL LISTS BY AREA, SEX, SEASON, AGE OF FISH. EFFECTS OF PARASITE BURDEN UPON BIOLOGY OF HOST FISH. HISTOPATHOLOGY OF INFECTION.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DAVID ZWERNER 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 12.

DATA COLLECTED: APRIL 1972 TO PRESENT

MONITORING PROJECTS:

PCB'S AND PESTICIDES IN STRIPED BASS

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, NANTICOKE AND CHOPTANK RIVERS

ABSTRACT:

PESTICIDES AND PCB'S IN STRIPED BASS EGGS. TWENTY-FOUR FISH COLLECTED FROM NANTICOKE AND CHOPTANK RIVERS, MARYLAND DURING SPAWNING SEASON IN 1972 AND 1973. BACKGROUND LEVELS SOUGHT AND POSSIBLE EFFECTS ON SUCCESS OF SPAWNING EVALUATED. (ANALYSES PERFORMED BY EPA GULFBREEZE LAB, USFW SERVICE LAB IN COLUMBIA, MISSOURI AND WESTINGHOUSE OCEAN ENGINEERING CENTER.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JOSEPH BOONE 301-269-5785
MARYLAND DEPARTMNET OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 27.

DATA COLLECTED: APRIL 1972 TO PRESENT

MONITORING PROJECTS:
CONOWINGO DAM FISH COLLECTION

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, SUSQUEHANNA RIVER, CONOWINGO DAM

ABSTRACT:
THE CONOWINGO DAM FISH COLLECTION FACILITY ON THE SUSQUEHANNA RIVER WAS CONSTRUCTED TO DETERMINE THE NUMBER OF AMERICAN SHAD AVAILABLE BELOW CONOWINGO DAM. THE FISH TAKEN IN EACH LIFT ARE IDENTIFIED TO SPECIES, COUNTED, MEASURED AND WEIGHED. SOME SPECIES ARE AGED. ANCILLARY OBSERVATIONS ON DAM OPERATING CONDITIONS INCLUDE NUMBER OF SMALL AND LARGE GENERATORS OPERATING, NUMBER OF SPILL GATES OPEN, GATE OPENING OF STATION SERVICE UNITS, TAILRACE ELEVATION, DEPTH BELOW TAILRACE WEIR GATES, ATTRACTION VELOCITY WEIR GATES, VELOCITY IN HOLDING CHANNEL, HOLDING CHANNEL ELEVATION, CROWDER FISHING POSITION, CROWDER GATE POSITION, AND TIME OF SET AND LIFT.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
TIMOTHY W. ROBBINS 717-548-2121
ICTHYOLOGICAL ASSOCIATES
2630 ROYAL ROAD
LANCASTER, PENNSYLVANIA, USA 17518

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 147.

DATA COLLECTED: JUNE 1972 TO PRESENT

MONITORING PROJECTS:
ENVIRONMENTAL CONSULTATION - WETLANDS LYNNHAVEN AREA OF LOWER CHESAPEAKE BAY AND ELIZABETH RIVER

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, LYNNHAVEN BAY, ELIZABETH RIVER

ABSTRACT:
SURVEY OF HYDROGRAPHIC AND BIOLOGICAL PARAMETERS OF LOWER CHESAPEAKE BAY, LYNNHAVEN BAY AND ELIZABETH RIVER, VA. DATA COLLECTED IN CONJUNCTION WITH CONTRACT WORK FOR LAND DEVELOPERS AND CONTRACTORS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
PAUL KIRK 804-489-6000
INSTITUTE OF OCEANOGRAPHY
OLD DOMINION UNIVERSITY
NORFOLK, VIRGINIA, USA 23508

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 81.

DATA COLLECTED: SEPTEMBER 1972 TO PRESENT

MONITORING PROJECTS:
HEAVY METALS IN RANGIA CUNEATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, JAMES AND RAPPAHANNOCK RIVERS

ABSTRACT:
HEAVY METALS IN THE CLAM (RANGIA CUNEATA) AT 60 STATIONS FROM 1972 TO THE PRESENT IN THE JAMES AND RAPPAHANNOCK RIVERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
ROBERT CROONENBERG 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 48.

DATA COLLECTED: MAY 1973 TO PRESENT

MONITORING PROJECTS:
FACTORS INFLUENCING POPULATION SIZE OF BLUE CRABS - MIGRATION OF JUVENILES

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, MARYLAND, TANGIER SOUND, POTOMAC RIVER, PATUXENT RIVER

ABSTRACT:
STATIONS IN THE UPPER PORTION OF THE CHESAPEAKE BAY ARE SAMPLED WEEKLY OR BIWEEKLY FROM MAY 1 TO OCTOBER 1 FOR BLUE CRABS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
STEPHEN D. SULKIN 301-326-4281
CHESAPEAKE BIOLOGICAL LABORATORY
SOLOMONS, MARYLAND, USA 20688

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 118.

DATA COLLECTED: JUNE 1973 TO PRESENT

MONITORING PROJECTS:

ECOLOGICAL SURVEY - VEPCO'S PORTSMOUTH POWER STATION

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, ELIZABETH RIVER

ABSTRACT:

ECOLOGICAL SURVEY TO MONITOR THE EFFECTS OF HEATED WATER EFFLUENT FROM VEPCO'S PORTSMOUTH STATION ON THE FAUNA OF THE SOUTH BRANCH OF THE ELIZABETH RIVER, DEEP CREEK CANAL AND GREAT BRIDGE CANAL. FISH EGGS AND LARVAE, JUVENILE AND ADULT FISH, BENTHIC INVERTEBRATES, AND WATER QUALITY DATA HAVE BEEN TAKEN AT 18 STATIONS ON MONTHLY BASIS SINCE JUNE 1973.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

JOHN C. WHITE 804-771-3389
VIRGINIA ELECTRIC AND POWER COMPANY
P.O. BOX 26666
RICHMOND, VIRGINIA 23260

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 98.

DATA COLLECTED: JULY 1973 TO PRESENT

MONITORING PROJECTS:

EVALUATION OF CHANNELIZATION EFFECTS ON AQUATIC HABITAT

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., MARYLAND, EASTERN SHORE

ABSTRACT:

EXTENSIVE DATA BASE ON 19 CHANNELIZED STREAMS INCLUDING WATER CHEMISTRY, BENTHOS AND FISH. COMPARISONS ACROSS STREAMS BASED ON TIME SINCE CHANNELIZED. DETERMINATION OF RECOVERY TIME AND SEQUENCE OF BIOTA AND CHEMICAL FACTORS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

W.R. CARTER 301-269-5361
MARYLAND DEPARTMENT OF NATURAL RESOURCES
TAWES STATE OFFICE BUILDING
ANNAPOLIS, MARYLAND, USA 21401

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 33.

DATA COLLECTED: JULY 1973 TO PRESENT

MONITORING PROJECTS:
DELAWARE RIVER ANADROMOUS FISHERIES STUDY - INTAKE SCREEN SURVEY DATA

GENERAL GEOGRAPHIC AREA:
NORTH ATLANTIC OCEAN, COASTAL, U.S., DELAWARE RIVER BASIN

ABSTRACT:
BIWEEKLY IDENTIFICATION, COUNT AND TOTAL LENGTH OF FISH CAUGHT IN INDUSTRIAL AND POWER PLANT INTAKE SCREENS ALONG THE DELAWARE RIVER. DATA INCLUDES TEMPERATURE AND DISSOLVED OXYGEN OBSERVATIONS. (SAMPLES TAKEN BIWEEKLY FROM 6 POWER AND INDUSTRIAL PLANT INTAKE SCREENS.)

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:
JOSEPH P. MILLER 609-397-0115
DELAWARE RIVER BASIN, ANADROMOUS FISHERIES STUDY
P.O. BOX 95
ROSEMONT, NEW JERSEY, USA 08556

GRID LOCATOR:
COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 149.

DATA COLLECTED: AUGUST 1973 TO PRESENT

MONITORING PROJECTS:

EFFECT OF PREDATION ON INFAUNA IN LOWER YORK RIVER

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, LOWER YORK RIVER

ABSTRACT:

STUDY OF EFFECT OF PREDATION ON INFAUNA IN THE LOWER YORK RIVER. SAMPLED THREE AREAS; OPEN, NO PREDATORS, WITH PREDATORS. OBJECTIVE INFLUENCES OF PREDATION BY BLUE CRAB AND OTHER PREDATORS ON COMMUNITY STRUCTURE OF BENTHIC ANIMALS ALSO STUDIED.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

R. VIRNSTEIN 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 83.

DATA COLLECTED: NOVEMBER 1973 TO PRESENT

MONITORING PROJECTS:

RESPONSE OF SALT MARSH COMMUNITY TO CHRONIC HYDROCARBON POLLUTION

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, WARE AND SEVERN RIVER

ABSTRACT:

TWO TIDAL MARSHES ALONG THE SEVERN AND WARE RIVERS, VIRGINIA ARE SAMPLED MONTHLY OVER A TWO YEAR PERIOD TO DETERMINE FAUNAL POPULATION SIZES AND FLORAL PRODUCTIVITY. RESPIRATION RATES ARE MEASURED ON BOTH MACROFAUNA AND BENTHOS. COMPARISONS ARE MADE BETWEEN ONE CONTROL MARSH AND ONE MARSH TREATED WITH OIL.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

CARL HERSHNER 804-642-2111
VIRGINIA INSTITUTE OF MARINE SCIENCE
GLOUCESTER POINT, VIRGINIA, USA 23062

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 101.

DATA COLLECTED: MARCH 1974 TO PRESENT

MONITORING PROJECTS:

OCEAN DISPOSAL SITE OFF THE COAST OF MARYLAND

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S.

ABSTRACT:

THE ENVIRONMENTAL PROTECTION AGENCY, ENVIRONMENTAL RESEARCH LABORATORY, HAS BEEN COLLECTING DATA SINCE MARCH 1974 FROM TWO OCEAN DISPOSAL SITES APPROXIMATELY 60 MILES OFF THE COAST OF MARYLAND. THE PARAMETERS INCLUDED IN THIS STUDY ARE: ALUMINUM, CADMIUM, CHROMIUM, COBALT, COPPER, IRON, LEAD, MANGANESE, NICKEL, SILVER, TITANIUM, VANADIUM AND ZINC IN BOTH THE SEDIMENT AND ORGANISMS. MEASUREMENTS OF METALS IN CLAMS AND SCALLOPS ARE SEPARATED BY MUSCLE AND ORGANS. OTHER PARAMETERS INCLUDED ARE: SPECIES DETERMINATION OF BENTHIC ANIMALS, WEIGHT OF BENTHIC ANIMALS AND LENGTH OF BENTHIC ANIMALS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

DR. D.K. PHELPS 401-789-1071
REGION 1 ENVIRONMENTAL RESEARCH LABORATORY
ENVIRONMENTAL PROTECTION AGENCY
SOUTH FERRY ROAD
NARRAGANSETT, RHODE ISLAND, USA 02882

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 223.

DATA COLLECTED: JUNE 1974 TO PRESENT

MONITORING PROJECTS:

HEAVY METALS MONITORING PROGRAM

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, JAMES, YORK, POTOMAC AND ELIZABETH RIVERS, WILLOUGHBY BAY

ABSTRACT:

SAMPLES OF OYSTERS ARE OBTAINED FROM FORTY STATIONS IN THE LOWER CHESAPEAKE BAY AND ITS TRIBUTARIES AND ANALYSED FOR CU, CD, ZN AND HG AT SIX MONTH INTERVALS. THE PROGRAM ATTEMPTS TO MONITOR SHELLFISH CONTAMINATION BY HEAVY METALS IN VIRGINIA WATERS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

CLOYDE W. WILEY, DIRECTOR 804-786-7937
BUREAU OF SHELLFISH SANITATION
JAMES MADISON BUILDING
109 GOVERNOR STREET
RICHMOND, VIRGINIA, USA 23219

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 130.

DATA COLLECTED: JULY 1974 TO PRESENT

MONITORING PROJECTS:

ANADROMOUS FISHERIES SURVEY - OFFSHORE STUDIES OF ANADROMOUS FISH

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., NORTH CAROLINA TO VIRGINIA

ABSTRACT:

A SURVEY TO INVESTIGATE THE OCCURRENCE OF BACK RUNNING AND YOUNG-OF-THE-YEAR ANADROMOUS FISHES IN THE ATLANTIC OCEAN FROM CAPE LOOKOUT, NORTH CAROLINA TO CAPE HENRY, VIRGINIA. ALSO CERTAIN BIOLOGICAL CHARACTERISTICS, DISTRIBUTION AND FOREIGN FISHERY AFFECTS ON ANADROMOUS FISHES ARE SURVEYED ALONG WITH TAGGING STUDIES OFFSHORE TO DETERMINE MIGRATION AND COMPARATIVE UTILIZATION OF THE HIGH SEAS FOREIGN FISHERY AND INSHORE DOMESTIC FISHERY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

EDWARD G. MCCOY 919-726-7021
DIVISION OF COMMERCIAL AND SPORTS FISHERIES
NORTH CAROLINA DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES
P.O. BOX 769
MOOREHEAD CITY, NORTH CAROLINA, USA 28557

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 166.

DATA COLLECTED: SEPTEMBER 1974 TO PRESENT

MONITORING PROJECTS:

PESTICIDE MONITORING PROGRAM

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., CHESAPEAKE BAY, VIRGINIA, TIDAL RIVERS AND BAYS, EASTERN SHORE

ABSTRACT:

OYSTERS OBTAINED AT SIX MONTH INTERVALS FROM STATIONS LOCATED IN TIDAL TRIBUTARIES AND BAYS OF VIRGINIA ARE ANALYSED FOR DDT, DDD, DDE, DIELDRIN AND PCB'S. THE DATA IS USED TO MONITOR SHELLFISH CONTAMINATION BY THE CHEMICALS.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

CLOYDE W. WILEY, DIRECTOR 804-786-7937
BUREAU OF SHELLFISH SANITATION
JAMES MADISON BUILDING
109 GOVERNOR STREET
RICHMOND, VIRGINIA, USA 23219

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 132.

DATA COLLECTED: 1975 TO PRESENT

MONITORING PROJECTS:

BENTHIC STUDIES AT THE DUPONT DUMPSITE OFF THE DELAWARE BAY

GENERAL GEOGRAPHIC AREA:

NORTH ATLANTIC OCEAN, COASTAL, U.S., DUPONT DUMPSITE

ABSTRACT:

SINCE 1975, BENTHIC SAMPLING HAS BEEN DONE ON AN IRREGULAR BASIS AT THE DUPONT DUMPSITE OFF THE DELAWARE BAY. KRIS SWANSON OF MARINE RESEARCH INCORPORATED ANALYSES THE SPECIES COMPOSITION AND ABUNDANCE OF THESE BENTHIC SAMPLES RECEIVED FROM THE ENVIRONMENTAL PROTECTION AGENCY.

DATA AVAILABILITY:

PLATFORM TYPE:

ARCHIVE MEDIA:

FUNDING:

INVENTORY:

PUBLICATIONS:

CONTACT:

KRIS SWANSON 617-548-0700
MARINE RESEARCH INCORPORATED
141 FALMOUTH HEIGHTS ROAD
FALMOUTH, MASSACHUSETTS, USA 02540

GRID LOCATOR:

COMPLETE FILE DESCRIPTION LOCATED IN ANNEX II, PAGE 222.